



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 07 - Chemicals

Proc Folder: 66816

Doc Description: Addendum No. 1 - Dishwashing items for all WV DOC facilities

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2015-04-09	2015-04-16 13:30:00	CRFQ 0608 COR1500000038	2

**BID CLERK**

DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

Vendor Name, Address and Telephone Number:

04/15/15 09:57:05  
 WV Purchasing Division

**FOR INFORMATION CONTACT THE BUYER**

Tara Lyle  
 (304) 558-2544  
 tara.l.yle@wv.gov

Signature X  Ecolab Inc.  
 Bruce Kottom FEIN # 41 - 0231510 DATE 04/14/2015

All offers subject to all terms and conditions contained in this solicitation

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Dishwashing products Rinse Additive	12800.00000	OZ	\$0.11 per ounce \$72.50 per 5 gallon pail	\$1,408.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Rinse Dry, 5 Gallon Pail	#10934

**Extended Description :**

Addendum No. 1 - To move the bid opening from 04/15/2015 to 04/16/2015. See attached pages for more information.

The WV Purchasing Division for the agency, WV Division of Corrections, is soliciting bids for an open-end contract to provide dishwashing dispensing equipment, service, detergent and other supplies for all WV Division of Corrections facilities throughout the State of WV, per the attached specifications.

3.1.1.1.Rinse Additive: Dishwasher, Liquid - Ecolab 10934, Rinse Dry, or equal. The rinse additive shall be of a type which will speed air drying, reduce water spotting and filming, eliminate the need for toweling and enhance the sanitary conditions of eating utensils processed through the dishwashing machine.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Dishwashing products Manual Dishwashing Solid	85000.00000	OZ	\$0.29 per ounce \$93.42 per case	\$24,650.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Solitaire, 4/5 lb Case	#17301

**Extended Description :**

3.1.1.2.Detergent: Manual Dishwashing, Solid ~~yyz~~ Ecolab 17301, Solitaire, or equal. Product shall be a concentrated manual dishwashing detergent for the hand washing of plastic, and aluminum metal ware.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Dishwashing products Silver/Stainless dinnerwear Cleaner	19200.00000	OZ	\$0.25 per ounce \$64.61 per case	\$4,800.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Solid Silver Power, 2/8 lb case	#12922

**Extended Description :**

3.1.1.3. Pre-Soak: Flatware, Dinnerware Solid  $\hat{a}$   $\hat{a}$  Ecolab 12922, Silver Power, or equal. Product shall be biodegradable, non-phosphate, low-foaming, and shall not burn silver or stainless steel dinnerware when used as directed.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Dishwashing products- Liquid Solid Rinse Additive	37120.00000	OZ	\$0.126 per ounce \$64.31 per case	\$4,677.12

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Jet Dry, 4/1 gallon case	#11817

**Extended Description :**

3.1.1.4. Rinse Additive: Dishwasher, Liquid Solid  $\hat{y}$   $\hat{y}$   $\hat{y}$   $\hat{y}$  Ecolab 11817, Jet Dry, or equal. Product shall be liquid non-foaming biodegradable rinse additive for use with an automatic dispensing unit.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Dishwashing products Dishwasher Detergent	93600.00000	OZ	\$0.13 per ounce \$74.78 per case	\$12,168.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Solid Power XL, 4/9 lb case	#6100185

**Extended Description :**

3.1.1.5.Dishwasher Detergent, Solid Power, or equal.This product shall be an automatic dish washing machine detergent that is highly concentrated for use with an automatic dispensing system.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Dishwashing products Liquid Low Temperature Machine	45000.00000	OZ	\$0.096 per ounce \$61.54 per case	\$4,320.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Ultra Klene, 5 gallon pail	#12716

**Extended Description :**

3.1.1.6.Liquid Low Temperature Machine Detergent & Ecolab 12716, Ultra Klene, or equal. Product shall be a highly concentrated, automatic dish washing machine detergent formulated to penetrate and strip away stubborn food soils and is effective in all water and soil conditions.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	Dishwashing products Aqueous Acidic Cleaner/De-lime	1280.00000	OZ	\$0.067 per ounce \$34.44 per case	\$85.76

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Lime A Way, 4/1 gallon case	#18700

**Extended Description :**

3.1.1.7 Aqueous Acidic Cleaner/De-limer/De-scaler Lime-A-Way, or equal. Product shall be a non-abrasive, liquid, acidic detergent, specifically formulated for de-liming and stain removal from metal, glass, ceramic, tile and cement surfaces in soft or hard floor.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WW25311	CHARLESTON	WW 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	Dishwashing products Disinfectant, Germicidal Rinse	38400.00000	OZ	\$0.167 per ounce \$53.53 per case	\$6,412.80

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Oasis 146, 2.5 gallon container	#17708

**Extended Description :**

3.1.1.8 Disinfectant, Germicidal Rinse @ Ecolab 17708, Oasis 146, or equal. Product shall be EPA registered quaternary ammonium sanitizer, for use as a sanitizing rinse in a three-compartment sink.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WW25311	CHARLESTON	WW 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Dishwashing products Cold Temperature Cleaner	4200.00000	OZ	\$0.137 per ounce \$69.95 per case	\$575.40

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Kool Klene, 4/1 gallon case	#15461

**Extended Description :**

3.1.1.9 Cold Temperature Cleaner Ecolab 15461, Kool-Klene, or equal.  
Product shall be a liquid freezer cleaner, designed to work effectively in freezers without defrosting.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WW25311	CHARLESTON	WW 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Dishwashing products Heavy Duty Degreaser Oven Cl	15360.00000	OZ	\$0.28 per ounce \$53.85 per case	\$4,300.80

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Grease Strip Plus, 6/32 oz case	#29777

**Extended Description :**

3.1.1.10 Heavy Duty Degreaser Oven Cleaner & Ecolab 29777, Greasestrip Plus, or equal.  
 Product shall be a ready to use, heavy duty multi-purpose degreaser, able to remove burnt-on grease deposits from kitchen equipment.

		SHIP TO
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST
CHARLESTON	WV25311	CHARLESTON WV 25311
US		US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Dishwashing products General Purpose Degreaser	3200.00000	OZ	\$0.16 per ounce \$51.35 per case	\$512.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Oasis 133 All Purpose Cleaner, 2.5 gallon container	#14175

**Extended Description :**

3.1.1.11 General Purpose Degreaser - Ecolab 14175, All Purpose Concentrated Cleaner and Degreaser, or equal

		SHIP TO
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST
CHARLESTON	WV25311	CHARLESTON WV 25311
US		US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Dishwashing products Floor Cleaner	6400.00000	OZ	\$0.22 per ounce \$70.36 per case	\$1,408.00

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Oasis 115XP Extra Strength Floor Cleaner, 2.5 gallon container	#10625

**Extended Description :**

3.1.1.12 Floor Cleaner - Ecolab 10625, Ammoniated Floor Cleaner Concentrate, or equal  
 Product shall be formulated for heavy duty cleaning or stripping of wax or acrylic surfaces.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Dishwashing products Drain Cleaner	9280.00000	OZ	\$0.67 per ounce \$214.60 per case	\$6,217.60

Comm Code	Manufacturer	Specification	Model #
47131810	Ecolab Inc.	Pathways Drain Cleaner, 2.5 gallon container	#29810

**Extended Description :**

3.1.1.13 Drain Cleaner - Ecolab 29810, Pathways, or equal.

Product shall be a biological grease digestant that reduces grease, fat and food particle build-up in drain lines and grease traps.

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	Section 3.1.8.11 Service calls scheduled maintenance	30.00000	HOUR	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
47131810		NO CHARGE WITH THE PURCHASE OF ECOLAB CHEMICALS	

**Extended Description :**

Section 3.1.8.11 Service calls scheduled maintenance

		SHIP TO	
FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE 1409 GREENBRIER ST STE 300		FISCAL DEPARTMENT DIVISION OF CORRECTIONS - CENTRAL OFFICE STE 300 1409 GREENBRIER ST	
CHARLESTON	WV25311	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	Section 3.1.8.12 Service calls repair related maintenance	40.00000	HOUR	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
47131810		NO CHARGE WITH THE PURCHASE OF ECOLAB CHEMICALS	

**Extended Description :**

Section 3.1.8.12 Service calls repair related maintenance



<b>COR1500000038</b>	<b>Document Phase</b> Final	<b>Document Description</b> Addendum No. 1 - Dishwashing terms for all WW DOC facilities	<b>Page 9</b> <b>of 9</b>
----------------------	--------------------------------	--	------------------------------

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

# SOLICITATION NUMBER: CRFQ – COR1500000038

## Addendum Number: 1

---

The purpose of this addendum is to modify the solicitation identified as CRFQ COR1500000038 (“Solicitation”) to reflect the change(s) identified and described below.

### Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

### Description of Modification to Solicitation:

1. The bid opening has moved from 04/15/2015 to 04/16/2015.
2. To correct section 3.1.2 in the specifications.
3. Provide Exhibit C – Pricing Page.

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

### Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**ATTACHMENT A**  
**Addendum No. 1 - CRFQ – COR1500000038**

**Clarifications:**

**C1: To remove Section 3.1.2 in the specifications in its entirety and replace with the following language –**

**3.1.2 Vendor shall provide the usage rate for their products and the cost per ten (10) gallons of water as listed in Exhibit C. Usage rate shall be based on eight (8) grains of hardness per gallon of water.**

**Exhibit C – Pricing Pages attached.**

**C2: To add two (2) commodity lines for service calls to the CRFQ in the OASIS system.**


**Other Information:**

- 1. The bid opening has moved from 04/15/2015 to 04/16/2015.**

Item #	Product	Count Per Case	Case Price	Price per Ounce	* Estimated Annual Quantity	** Usage Ratio for 10 gallons of water (show ounces)	*** Treatment cost for 10 Gallons of Water	Total Annual Cost (Multiply Est. Annual Quantity x Treatment Cost for 10 gal of water)
3.1.1.1	Rinse Additive: Dishwasher, Liquid - Ecolab 10934, Rinse Dry, or equal	One 5 gallon	\$72.50 case	\$0.11 oz	12,800 (ounces)	0.032 oz	\$0.0036	\$46.08
3.1.1.2	Detergent: Manual Dishwashing, Solid – Ecolab 17301, Solitaire, or equal	4/5 lb case	\$93.42 case	\$0.29 oz	89,000 (ounces)	0.25 oz	\$0.073	\$6,497.00
3.1.1.3	Pre-Soak: Flatware, Dinnerware Solid – Ecolab 12922, Silver Power, or equal	2/8 lb case	\$64.61 case	\$0.25 oz	19,200 (ounces)	0.5 oz	\$0.126	\$2,419.20
3.1.1.4	Rinse Additive: Dishwasher, Liquid Solid – Ecolab 11817, Jet Dry, or equal	4/1 gal case	\$64.31 case	\$0.126 oz	37,120 (ounces)	0.064 oz	\$0.0080	\$296.96
3.1.1.5	Dishwasher Detergent – Ecolab <sup>6100185</sup> 10374, Solid Power, or equal	4/9 lb case	\$74.78 case	\$0.13 oz	93,600 (ounces)	0.5 oz	\$0.065	\$6,084.00
3.1.1.6	Liquid Low Temperature Machine Detergent – Ecolab 12716, Ultra Klene, or equal	One 5 gallon	\$61.54 case	\$0.096 oz	45,000 (ounces)	0.75 oz	\$0.072	\$3,240.00
3.1.1.7	Aqueous Acidic Cleaner/De-limer/De-scaler – Ecolab 18700, Lime-A-Way, or equal	4/1 gal case	\$34.44 case	\$0.067 oz	1,280 (ounces)	5.0 oz	\$0.336	\$430.08
3.1.1.8	Disinfectant, Germicidal Rinse – Ecolab 17708, Oasis 146, or equal	One 2.5 gal	\$53.53 case	\$0.167 oz	38,400 (ounces)	2.5 oz	\$0.418	\$16,051.20
3.1.1.09	Cold Temperature Cleaner – Ecolab 15461, Kool-Klene, or equal	4/1 gal case	\$69.95 case	\$0.137 oz	4,200 (ounces)			\$575.40
3.1.1.10	Heavy Duty Degreaser Oven Cleaner – Ecolab 29777, Greasestrip Plus, or equal	6/32 oz case	\$53.85 case	\$0.28 oz	15,360 (ounces)			\$4,300.80

**Exhibit C**

Item #	Product	Count Per Case	Case Price	Price per Ounce	* Estimated Annual Quantity	** Usage Ratio for 10 gallons of water (show ounces)	*** Treatment cost for 10 Gallons of Water	Total Annual Cost (Multiply Est. Annual Quantity x Treatment Cost for 10 gal of water)
3.1.1.11	General Purpose Degreaser – Ecolab 14175, All Purpose Concentrated Cleaner and Degreaser, or equal #14175, Oasis 133	One 2.5 gal	\$51.35 case	\$0.160 oz	3,200 (ounces)			\$512.00
3.1.1.12	Floor Cleaner – Ecolab 10625, Ammoniated Floor Cleaner Concentrate, or equal #10625, Oasis 115XP	One 2.5 gal	\$70.36 case	\$0.22 oz	6,400 (ounces)			\$1,408.00
3.1.1.13	Drain Cleaner – Ecolab 29810, Pathways, or equal	One 2.5 gal	\$214.60 case	\$0.67 oz	9,280 (ounces)			\$6,217.60
3.1.8.11	Service Calls- Scheduled Maintenance				30 hours			\$0.00 - NO CHARGE
3.1.8.12	Service Calls- Repair Related Maintenance				40 hours			\$0.00 - NO CHARGE
							<b>OVERALL TOTAL COST</b>	\$48,078.32

<b>Bidder/Vendor Information:</b>	
<b>Name:</b>	Ecolab Inc.
<b>Address:</b>	370 Wabasha St. North St. Paul, MN 55102
<b>Phone No.:</b>	( 651 ) 250 - 2892
<b>Fax No.:</b>	( 651 ) 306 - 5429
<b>Email Address:</b>	bruce.kottom@ecolab.com
<b>Authorized Signature</b>	

**Failure to use this form may result in disqualification**

- \* Estimated Quantities for Bid Evaluation Purposes Only.
- \*\* Based on water hardness of eight (8) grains per gallon.
- \*\*\* Based on water hardness of eight (8) grains per gallon. Treatment cost for 10 gallons as per manufacturer's specifications

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: COR150000038**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Ecolab Inc.

\_\_\_\_\_  
Company

Bruce Kottom

  
\_\_\_\_\_  
Authorized Signature

04/14/2015

\_\_\_\_\_  
Date


**NOTE:** This addendum acknowledgement should be submitted with the bid to expedite document processing.

**CRFQ COR1500000038 - Dishwasher Dispensing Equipment and Supplies**  
**Exhibit A - Facility Locations**

Facility	Address	Ecolab Sales Rep
Anthony Correctional Center	313 Anthony Center Drive White Sulphur Springs, WV 24986	Chad George
Beckley Correctional Center	111 S Eisenhower Drive Beckley, WV 25801	Mike Whiter
Charleston Work Release Center	607 Brooks Street Charleston, WV 25301	Larry Sarver
Denmar Correctional Center	4319 Denmar Road Hillsboro, WV 24946	Chad George
Huntington Work Release Center	1236 Fifth Avenue Huntington, WV 25701	David Karshner
Huttonsville Correctional Center.	Route US 219/250 South Huttonsville, WV 26273	Chad George
Lakin Correctional Center	11264 Ohio River Rd West Columbia, WV 25287	Homer Randell
Martinsburg Correctional Center	38 Grapevine Rd Martinsburg, WV 25401	Rob Basye
Mount Olive Correctional Complex	1 Mountainside Way Mt Olive, WV 25185	Larry Sarver
Northern Correctional Facility	112 Northern Regional Correctional Drive Moundsville WV 26041	Michael Mahan
Ohio County Correctional Complex	1501 Eoff Street Wheeling, WV 26003	Michael Mahan
Parkersburg Correctional Center	225 Holiday Hills Dr Parkersburg, WV 26104	Greg Oxley
Pruntytown Correctional Center	PCC 2006 Trap Springs Road Grafton, WV 26354	Ron Welsh
St Marys Correctional Center	2880 N Pleasants Highway St Marys, WV 26170	Greg Oxley
Salem Correctional Center	7 Industrial Boulevard Industrial, WV 26426	Ron Welsh

## CRFQ COR1500000038 - Dishwashing Dispensing Equipment, Service and Supplies- Nationally Certified Laundry Technicians

## Exhibit B

	Name	Address	Telephone
1	Chad George	528 Greenbrier Avenue White Sulphur Springs, WV 24986	(304) 667 - 6981
2	Michael White	316 Northview Road Princeton, WX 24740	(304) 921 - 0886
3	Larry Sarver	541 McClung Road Hurricane, WV 25525	(304) 419 - 0978
4	David Karshner	427 Junior Road Irtonton, OH 45638	(407) 908 - 2194
5	Homer Randsdell	19 Deer Run Road Barboursville, WV 25504	(304) 208 - 7198
6	Rob Basye	106 Towerview Drive Martinsburg, WV 25404	(540) 532 - 7575
7	Michael Mahan	120 Jamison Lane Wellsburg, WV 26070	(304) 281 - 9907
8	Greg Oxley	824 Lakeview Drive, #408B Parkersburg, WV 26104	(740) 972 - 4400
9	Ron Welsh	75 Gable Place Bridgeport, WV 26330	(304) 695 - 0066
10			
	<b>Bidder/Vendor Information:</b>	Ecolab Inc.	
	<b>Name:</b>	Bruce Kottom	
	<b>Address:</b>	370 Wabasha St. North St. Paul, MN 55102	
	<b>Phone No.:</b>	( 651 ) 250 - 2892	
	<b>Fax No.:</b>	( 651 ) 306 - 5429	
	<b>Email Address:</b>	bruce.kottom@ecolab.com	
	<b>Authorized Signature</b>		





## GLOBAL SUPPLY CHAIN DIRECTORY



### NORTH AMERICA PLANTS (Page 4 of 4)

#### **Texarkana Plant (N)**

3901 Terry St.  
Texarkana, TX 75501  
*Plant Manager:* Terry DeWolf

Phone: 903 832-7515

[tdewolf@nalco.com](mailto:tdewolf@nalco.com)

#### **Tyler Plant (E)**

2319 East Erwin  
Tyler, TX 75702  
*Plant Manager:* Pat Nickelson

Phone: 903-597-2568

Cell: 903-920-9856  
[pat.nickelson@ecolab.com](mailto:pat.nickelson@ecolab.com)

### Washington

#### **Vancouver Plant (N)**

5210 N.W. Fruit Valley Road  
Vancouver, WA 98660 - 1245  
*Plant Manager:* Brett Misener

Phone: 360-750-6510

Cell: 360-608-9943  
[bmisener@nalco.com](mailto:bmisener@nalco.com)

### West Virginia

#### **Martinsburg Plant (E)**

942 Baker Road  
Martinsburg, WV 25405  
*Plant Manager:* Jon Gavlinski

Phone: 304-260-3500

Cell: 304-433-6513  
[jonathan.gavlinski@ecolab.com](mailto:jonathan.gavlinski@ecolab.com)

### Wyoming

#### **Evansville Plant (N)**

4900 E. Yellowstone Hwy.  
Evansville, WY 82636  
Assistant: Maggie Boring

Phone: 307-235-6459

Phone: ext . 233  
[mboring@nalco.com](mailto:mboring@nalco.com)  
Cell: 307-267-8250  
[tltucker@nalco.com](mailto:tltucker@nalco.com)

*Plant Manager:* Tom Tucker

REQUEST FOR QUOTATION  
CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies

---

**SPECIFICATIONS**

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Corrections to establish an open-end contract to supply dishwashing dispensing equipment, service, detergent, and other supplies as specified in this RFQ.
2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
  - 2.1. **“Contract Item” or “Contract Items”** means the list of items identified in Section 3, Subsection 1 below.
  - 2.2. **“Pricing Pages”** means the schedule of prices, estimated order quantity, and totals and used to evaluate the RFQ.
  - 2.3. **“MSDS”** means material safety data sheet.
  - 2.4. **“Back-siphonage”** is an occurrence when higher pressure fluids, gasses or suspended solids move to an area of lower pressure fluids.
  - 2.5. **“RFQ”** means the official request for quotation published by the Purchasing Division and identified as CRFQ COR1500000038.
  - 2.6. **“STATEWIDE”** means that the vendor must provide services and commodities to all DOC facilities in the state on the list provided.
3. **GENERAL REQUIREMENTS:**
  - 3.1. **Contract Items and Mandatory Requirements:** Vendor shall provide DOC Facility with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.
    - 3.1.1. **Item Specifications**
      - 3.1.1.1. **Rinse Additive: Dishwasher, Liquid - Ecolab 10934, Rinse Dry, or equal.**
        - 3.1.1.1.1. The rinse additive shall be of a type which will speed air drying, reduce water spotting and filming, eliminate the need for toweling and enhance the sanitary conditions of eating utensils processed through the dishwashing machine. Product shall be non-corrosive and non-toxic. Product shall be usable in both hard and soft water.

REQUEST FOR QUOTATION  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

- 3.1.1.1.2. Product shall cause a complete run-off of water in 30 seconds from average ware removed from 180° Fahrenheit water rinse, using a spray type dishwashing machine.
              - 3.1.1.1.3. The product shall be biodegradable.
- 3.1.1.2. **Detergent: Manual Dishwashing, Solid – Ecolab 17301, Solitaire, or equal.**
  - 3.1.1.2.1. Product shall be a concentrated manual dishwashing detergent for the hand washing of plastic, and aluminum metal ware.
  - 3.1.1.2.2. Product shall perform in water hardness of 8 grains per gallon and shall contain no phosphates.
- 3.1.1.3. **Pre-Soak: Flatware, Dinnerware Solid – Ecolab 12922, Silver Power, or equal.**
  - 3.1.1.3.1. Product shall be biodegradable, non-phosphate, low-foaming, and shall not burn silver or stainless steel dinnerware when used as directed.
  - 3.1.1.3.2. The product shall be a presoak specifically designed for stainless flatware, not for use on silverware or silver-plate.
  - 3.1.1.3.3. Product shall be formulated to restore and help maintain luster and shine of stainless flatware.
  - 3.1.1.3.4. Product shall rapidly loosen difficult protein food soils and strip away dulling film, making flatware ready for machine washing.
  - 3.1.1.3.5. Product shall be dispensed by push button controlled dispensing system that will reduce costs by eliminating waste and overuse.
- 3.1.1.4. **Rinse Additive: Dishwasher, Liquid Solid – Ecolab 11817, Jet Dry, or equal.**
  - 3.1.1.4.1. Product shall be liquid non-foaming biodegradable rinse additive for use with an automatic dispensing unit.

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

- 3.1.1.4.2.** The product shall be used directly from the shipping container.
- 3.1.1.4.3.** Product shall have a visible color so that the liquid level is readily visible in the container and feed hose.
- 3.1.1.4.4.** The product shall promote faster drying, reduce water spotting and filming.
- 3.1.1.4.5.** The product shall effectively accomplish the specified functions when present in the rinse water at concentration range of 50-200 ppm.
- 3.1.1.4.6.** The product shall not contain alcohol or phosphorus and shall remain stable for up to one year.

**3.1.1.5. Dishwasher Detergent – Ecolab 10371, Solid Power, or equal.**

- 3.1.1.5.1.** This product shall be an automatic dish washing machine detergent that is highly concentrated for use with an automatic dispensing system.
- 3.1.1.5.2.** The product shall be dispensed directly from the shipping container.
- 3.1.1.5.3.** The product shall have a chlorine content to remove staining from ware.
- 3.1.1.5.4.** The product shall contain a de-foamer or control sudsing and be shall be formulated to provide sparkling results in all water conditions.

**3.1.1.6. Liquid Low Temperature Machine Detergent – Ecolab 12716, Ultra Klene, or equal.**

- 3.1.1.6.1.** Product shall be a highly concentrated, automatic dish washing machine detergent formulated to penetrate and strip away stubborn food soils and is effective in all water and soil conditions.
- 3.1.1.6.2.** Product shall contain water conditioning agents to help reduce spotting and streaking.

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

**3.1.1.7. Aqueous Acidic Cleaner/De-limer/De-scaler – Ecolab 18700, Lime-A-Way, or equal.**

**3.1.1.7.1.** Product shall be a non-abrasive, liquid, acidic detergent, specifically formulated for de-liming and stain removal from metal, glass, ceramic, tile and cement surfaces in soft or hard floor.

**3.1.1.7.2.** Product formulation shall be compounded of selected acidic materials and organic detergents to produce no deleterious effects on food service equipment and providing maximum cleaning speed and reduced labor.

**3.1.1.8. Disinfectant, Germicidal Rinse – Ecolab 17708, Oasis 146, or equal.**

**3.1.1.8.1.** Product shall be EPA registered quaternary ammonium sanitizer, for use as a sanitizing rinse in a three-compartment sink.

**3.1.1.8.2.** Product shall be a free rinsing sanitizer, disinfectant and deodorizer, for sanitizing tables, countertops, cutting boards, meat room equipment, etc.

**3.1.1.8.3.** Product shall be safe for use on soft metals and stainless steel, as well as effective in hard water conditions up to 500 ppm.

**3.1.1.8.4.** Product shall have a visible color to ensure that sanitizer is present in the solution.

**3.1.1.9. Cold Temperature Cleaner – Ecolab 15461, Kool-Klene, or equal.**

**3.1.1.9.1.** Product shall be a liquid freezer cleaner, designed to work effectively in freezers without defrosting.

**3.1.1.9.2.** Product shall be formulated to be a self-cleaning and quick drying to allow cleaning operations to be completed efficiently and foods replaced immediately.

**3.1.1.9.3.** Product shall be non-irritating to skin and have no unpleasant odor.

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

**3.1.1.10. Heavy Duty Degreaser Oven Cleaner – Ecolab 29777, Greasestrip Plus, or equal.**

**3.1.1.10.1.** Product shall be a ready to use, heavy duty multi-purpose degreaser, able to remove burnt-on grease deposits from kitchen equipment.

**3.1.1.10.2.** Product shall be an alkaline cleaning gel capable of clinging to vertical surfaces with no run-off.

**3.1.1.10.3.** Product shall be applied by means of a spray gun, which is to be provided and formulated for the easy and quick removal of greases and soils from ovens, grills, ranges, hoods, vents, steamers, fryers and similar surfaces in commercial kitchens.

**3.1.1.10.4.** Product shall be safe for use on stainless steel and melamine.

**3.1.1.10.5.** Product shall be formulated to eliminate fumes, flashback and misting.

**3.1.1.10.6.** Product shall be non-butyl, free of phosphorous, and biodegradable.

**3.1.1.11. General Purpose Degreaser – Ecolab 14175, All Purpose Concentrated Cleaner and Degreaser, or equal.**

**3.1.1.11.1.** Product shall be non-caustic and non-corrosive.

**3.1.1.11.2.** Product shall be formulated to remove grease, oils and tough soils.

**3.1.1.12. Floor Cleaner – Ecolab 10625, Ammoniated Floor Cleaner Concentrate, or equal.**

**3.1.1.12.1.** Product shall be formulated for heavy duty cleaning or stripping of wax or acrylic surfaces.

**3.1.1.12.2.** Product shall be formulated for daily cleaning and degreasing of tile, concrete, or other hard surfaces without wax finishes.

REQUEST FOR QUOTATION  
CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies

---

**3.1.1.13. Drain Cleaner – Ecolab 29810, Pathways, or equal.**

**3.1.1.13.1.** Product shall be a biological grease digestant that reduces grease, fat and food particle build-up in drain lines and grease traps.

**3.1.1.13.2.** Vendor shall provide a dispenser for automatic dosing treatment of the cleaner.

**3.1.2.** Vendor shall provide the usage rate for their products and the cost per ten (10) gallons of water as listed in Appendix B. Usage rate shall be based on eight (8) grains of hardness per gallon of water.

**3.1.3.** Vendor's products and services will produce a highly effective cleaning of plastic and metal ware at the product's usage rates quoted in the bid documents.

**3.1.4.** Vendor shall provide the following items with their bid response:

**3.1.4.1.** Product information which describe the product usage.

**3.1.4.2.** Manufacturer's recommended product usage rates for medium soil conditions.

**3.1.4.3.** Material Safety Data Sheets (MSDS).

**3.1.5. Packaging**

**3.1.5.1.** The dishwasher detergent shall be packaged in inventory control cartons protected by means of aluminum foil or equal overwrap designed to prevent excessive loss of available chlorine. These cartons shall be package in a case with the maximum total weight of weight of sixty five (65) pounds.

**3.1.6. Dispensing Equipment**

**3.1.6.1.** The Vendor shall furnish, install and maintain on a loan basis, statewide, at no cost to the DOC Facility, proper dispensing equipment as follows:

**3.1.6.2.** The Vendor shall install and service all electronic dispensers requested by the DOC facility.

**3.1.6.3.** The DOC facilities shall provide suitable water and electrical connections on/or adjacent to the dishwashing machines.

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

- 3.1.6.4.** Electronic dishwashing compound dispensers shall be installed on all continuous belt type dishwashing machines (flight type), two-tank dishwashing machines, single tank conveyor dishwashing machines and single tank door-type dishwashing machines using 2,000 pounds or more dishwashing compound per year.
- 3.1.6.5.** Hydraulic (gravity feed type) dishwashing compound dispensers shall be installed on all other dishwashing machines.
- 3.1.6.6.** At DOC facilities where rinse additives are used, the Vendor shall equip the dishwashing machines with a rinse injector.
- 3.1.6.7.** All dispensers and injectors furnished by the Vendor shall be first line models such as are in use by other accounts serviced by the Vendor and installation shall be made in accordance with accepted engineering practices.
- 3.1.6.8.** Vendor shall ensure that their installation does not create a cross connection which would allow back-siphonage into the water supply system.

**3.1.7. Installation of Dispensing Equipment**

- 3.1.7.1.** Immediately upon award of the contract, the Vendor shall contact the DOC facilities, statewide, to schedule installation of the dispensing equipment.
- 3.1.7.2.** All equipment furnished by the prior contractor shall remain in service and be properly maintained by the prior Vendor until all the prior Vendor's compounds remaining in the DOC facilities stocks are consumed, or a period of thirty (30) days, whichever occurs first. The previous Vendor will accept return of merchandise and issue a credit to the facility for stock that would not be compatible with a change in dispensing equipment.
- 3.1.7.3.** It shall be the responsibility of the new Vendor to remove, pack and have available for pick-up all dispensing equipment of the previous Vendor. The new Vendor shall plug all holes not to be used in installing their own equipment.



**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

- 3.1.7.3.1.** The dispensing equipment and installation shall be of such design that the units may be removed at the termination of the contract period without interruption of the service or without additional cost for parts or labor. Successful vendor of this contract shall at the end of the contract period leave their dispensing equipment at each site to allow the new Vendor to install their brand of dispensing equipment. Vendor shall allow a minimum of thirty (30) days for such transition period. At the end of the thirty (30) day period, the Vendor will accept return of merchandise and issue a credit to the facility for stock that would not be compatible with a change in dispensing equipment.
- 3.1.7.4.** The dispensers and injectors shall be of first quality, maintained in good operating condition, and shall be properly installed.
- 3.1.7.5.** Cost to install dispensing equipment shall be factored into the unit pricing and included on the Pricing Page.
- 3.1.8. Scheduled Services**
- 3.1.8.1.** The Vendor shall provide regular inspections of equipment at each DOC facility statewide. The schedule must be mutually agreed upon by the Vendor and each DOC facility. At a minimum, the vendor shall:
- 3.1.8.2.** Inspect and properly maintain all dispensing equipment whether supplied by the contractor or owned by the DOC Facility.
- 3.1.8.3.** Check all dishwashing machines in operation at the DOC facility, including the functioning of mechanical parts, gauges, valves, and cleanliness of wash arms and rinse nozzles, and make such adjustments as are necessary. Thoroughly clean interior of all machines, dispensers, and mechanical parts and de-liming when necessary. The facility shall provide de-liming solvent.
- 3.1.8.4.** Check solutions for optimum concentration and temperature. Each inspection report will show the water hardness and the percentage of concentration (PPM) of detergent and final rinse additives being dispensed into the dishwashing machine.
- 3.1.8.5.** Check the DOC facilities Sanitizing Titration Test Kit for completeness as per Sections 4-302.14 and 4-501.116 of the Federal Food Code

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

incorporated by reference in West Virginia legislative rule 64CSR17, Food Establishments.

- 3.1.8.6.** Instruct the institutional personnel in the proper use of the Sanitizing Titration Test Kit.
- 3.1.8.7.** Instruct institutional personnel in the proper use of dishwashing machines and dispensing equipment, as well as the materials used therein.
- 3.1.8.8.** Vendor shall provide detailed costs incurred for scheduled maintenance and inspection of equipment on Pricing Page.

Vendor shall provide a cost proposal of service calls related to the repairs of Vendor's equipment on Pricing Page.

- 3.1.8.9.** Submit to the business manager of the institution of a written service report at the time of each call, listing the service performed and any recommendation for corrective action to be taken by the institution.
- 3.1.8.10.** When requested, and within twenty-four (24) hours of such request, the Vendor shall make service calls to handle problems requiring attention or correction.
- 3.1.8.11.** Vendor shall provide detailed costs incurred for scheduled maintenance and inspection of equipment on Pricing Page.

**3.1.9. Toxicity**

- 3.1.9.1.** The ingredients used in formulating the compounds shall not be contaminated with toxic amounts of poisonous compounds such as those of arsenic, lead, mercury, antimony, or other compounds having deleterious effects. The compounds provided shall meet all safety and health requirements of all applicable government agencies.

**3.1.10. Final Rinse Additives**

- 3.1.10.1.** Drying solution shall be for quick drying of all eating utensils and tableware (utensils, glassware, silverware, plastic dinnerware), without water spotting or towelings. An odorless non-foaming rinse additive containing no alcohol or aromatic solvents, non-toxic, product when mixed into water at 180° Fahrenheit shall show no setting out and shall give a clear to translucent solution.

REQUEST FOR QUOTATION  
CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies

---

**3.1.11. Service Representatives**

**3.1.11.1.** Vendor service capability will be considered in the award of this contract. Each service representative shall have a minimum of one (1) year of experience in the installation, service, and maintenance of this type of equipment.

**3.1.11.2.** The successful Vendor shall have two a minimum of (2) service representatives working with the Division of Corrections that can service facilities statewide.

**3.1.11.3.** Information on the service representatives should be included with the bid response. Information must be provided prior to contract award. See Exhibit B.

**3.1.12.** The name and location of each Division of Corrections facility is listed in Exhibit A. The Vendor shall provide the contract items, at contract price, to any additional DOC facility(s) that may open, or require equipment and supplies during the course of the contract.

**4. CONTRACT AWARD:**

**4.1. Contract Award:** The Contract is intended to provide Agencies with a purchase price on all Contract Items. The Contract shall be awarded to the ONE Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

**4.2. Pricing Pages:** Vendor shall complete the Pricing Pages by completing the information listed on the Pricing Page. Vendor shall complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied. Vendor shall complete the Pricing Page information to include Item count per case, item price per case, item price per ounce, estimated annual quantity per facility, item usage ratio for 10 gallons of water, treatment cost for 10 gallons of water, and Total Annual Cost. Failure to do so may result in Vendor's bids being disqualified.

Vendor shall complete the Pricing Page information to include Item count per case, item price per case, item price per ounce, item usage ratio for 10 gallons of water, treatment

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

cost for 10 gallons of water, and Total Annual Cost. Failure to do so may result in Vendor's bids being disqualified.

Vendor shall type or electronically enter the information into the Pricing Pages to prevent errors in the evaluation.

**5. ORDERING AND PAYMENT:**

**5.1. Ordering:** Vendor shall accept orders by regular mail, facsimile, e-mail, or any other written forms of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it shall include in its response a brief description of how Agencies may utilize the on-line ordering system. Any on-line ordering system must have the capability to restrict prices and available items to conform to the Catalog originally submitted with this RFQ. Vendor shall ensure that its on-line ordering system is properly secured prior to processing DOC Facility orders on-line.

**5.2. Payment:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

**6. DELIVERY AND RETURN:**

**6.1. Delivery Time:** Vendor shall deliver standard orders within fourteen (14) working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

**6.2. Late Delivery:** The DOC Facility placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an DOC Facility will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any DOC Facility seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

**6.3. Delivery Payment/Risk of Loss:** Standard order delivery shall be F.O.B. destination to the DOC Facility's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the DOC Facility separately for such delivery. The DOC Facility will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

**6.4. Return of Unacceptable Items:** If the DOC Facility deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and

REQUEST FOR QUOTATION  
CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies

---

with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the DOC Facility to arrange for the return and reimburse DOC Facility for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the DOC Facility with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the DOC Facility's location. The returned product shall either be replaced, or the DOC Facility shall receive a full credit or refund for the purchase price, at the DOC Facility's discretion.

**6.5. Return Due to DOC Facility Error:** Items ordered in error by the DOC Facility will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

**7. MISCELLANEOUS:**

**7.1. No Substitutions:** Vendor shall supply only Contract Items submitted in response to the RFQ unless a contract modification is approved in accordance with the provisions contained in this Contract.


**7.2. Vendor Supply:** Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

**7.3. Reports:** Vendor shall provide quarterly reports and annual summaries to the DOC Facility showing the DOC Facility's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

**REQUEST FOR QUOTATION**  
**CRFQ COR1500000038 - Dishwasher Dispensing Equipment, Service and Supplies**

---

**7.4. Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor shall list its Contract manager and his or her contact information below.

**Contract Manager:** Bruce Kottom   
**Telephone Number:** (651) 250 - 2892  
**Fax Number:** (651) 306 - 5429  
**Email Address:** bruce.kottom@ecolab.com

## GENERAL TERMS AND CONDITIONS:

1. **CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
  
2. **DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
  - 2.1. **"Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
  - 2.2. **"Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
  - 2.3. **"Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.
  - 2.4. **"Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.
  - 2.5. **"Award Document"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
  - 2.6. **"Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
  - 2.7. **"State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
  - 2.8. **"Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. **CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

**Term Contract**

**Initial Contract Term:** This Contract becomes effective on award and extends for a period of one (1) year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to three (3) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed 36 months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

**Delivery Order Limitations:** In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

- Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within \_\_\_\_\_ days.
- Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within \_\_\_\_\_ days. Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional \_\_\_\_\_ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed \_\_\_\_\_ months in total. Automatic renewal of this Contract is prohibited.
- One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.
- Other:** See attached.



4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.
5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
  - Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
  - Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
  - Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
  - One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

- BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.
- PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of \_\_\_\_\_. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.
- LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

- MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.
- INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder:
  - Commercial General Liability Insurance:** In the amount of \_\_\_\_\_ or more.
  - Builders Risk Insurance:** In an amount equal to 100% of the amount of the Contract.

- 
- 
- 
- 
-

The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

**LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

**9. WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

**10. LITIGATION BOND:** The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

**11. LIQUIDATED DAMAGES:** Vendor shall pay liquidated damages in the amount of

for \_\_\_\_\_

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

- 12. ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Award Document, upon receipt.
- 13. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.
- 14. PAYMENT:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.
- 15. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 16. CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.
- 17. TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
- 18. APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
- 19. COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable law.
- 20. PREVAILING WAGE:** On any contract for the construction of a public improvement, Vendor and any subcontractors utilized by Vendor shall pay a rate or rates of wages which shall not be less than the fair minimum rate or rates of wages (prevailing wage), as established by the West Virginia Division of Labor under West Virginia Code §§ 21-5A-1 et seq. and available at <http://www.sos.wv.gov/administrative-law/wagerates/Pages/default.aspx>. Vendor shall be responsible for ensuring compliance with

prevailing wage requirements and determining when prevailing wage requirements are applicable. The required contract provisions contained in West Virginia Code of State Rules § 42-7-3 are specifically incorporated herein by reference.

21. **ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
22. **MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.
23. **WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
24. **SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
25. **ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
26. **WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
27. **STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
28. **BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

**29. CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

**30. DISCLOSURE:** Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code §§ 29B-1-1 et seq. and the competitive bidding laws found West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and WILL NOT BE HONORED. A legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and WILL NOT BE HONORED. Additionally, pricing or cost information will not be considered exempt from disclosure and requests to withhold publication of pricing or cost information WILL NOT BE HONORED.

Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

**31. LICENSING:** In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

**32. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

**33. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

**34. PURCHASING CARD ACCEPTANCE:** The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

**35. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but

not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

- 36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- 37. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.
- 38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.
- 39. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.
- 40. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:
- Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.



- Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at [purchasing.requisitions@wv.gov](mailto:purchasing.requisitions@wv.gov).

- 41. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

- 42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater.

For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

**43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL:** In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Ecolab Inc.

\_\_\_\_\_  
(Company)



Bruce Kottom,  
Sr. Government Sales Manager

\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

PH: (651) 250 - 2892 FAX: (651) 306 - 5429 04/14/2015

\_\_\_\_\_  
(Phone Number) (Fax Number) (Date)

## INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
2. **MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
3. **PREBID MEETING:** The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening.

A NON-MANDATORY PRE-BID meeting will be held at the following place and time:

A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

- 4. VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding. Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: April 3, 2015 by 4:00 pm

Submit Questions to: Tara Lyle  
2019 Washington Street, East  
Charleston, WV 25305  
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)  
Email: Tara.L.Lyle@wv.gov

- 5. VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.
- 6. BID SUBMISSION:** All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile. The bid delivery address is:

Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID:  
BUYER:  
SOLICITATION NO.:  
BID OPENING DATE:  
BID OPENING TIME:  
FAX NUMBER:

In the event that Vendor is responding to a request for proposal, and chooses to respond in a manner other than by electronic submission through wvOASIS, the Vendor shall submit one original technical and one original cost proposal plus convenience copies of each to the Purchasing Division at the address shown above. Additionally, if Vendor does not submit its bid through wvOASIS, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

Technical

Cost

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: April 15, 2015 at 1:30 pm  
Bid Opening Location: Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.
10. **ALTERNATES:** Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.
11. **EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.
12. **COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.
13. **REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.
14. **UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.
15. **PREFERENCE:** Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.
16. **SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the

same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

**17. WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

**18. ELECTRONIC FILE ACCESS RESTRICTIONS:** Vendor must ensure that its submission in wvOASIS can be accessed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately opened and/or viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening if those documents are required with the bid.



## 2.0 Specifications

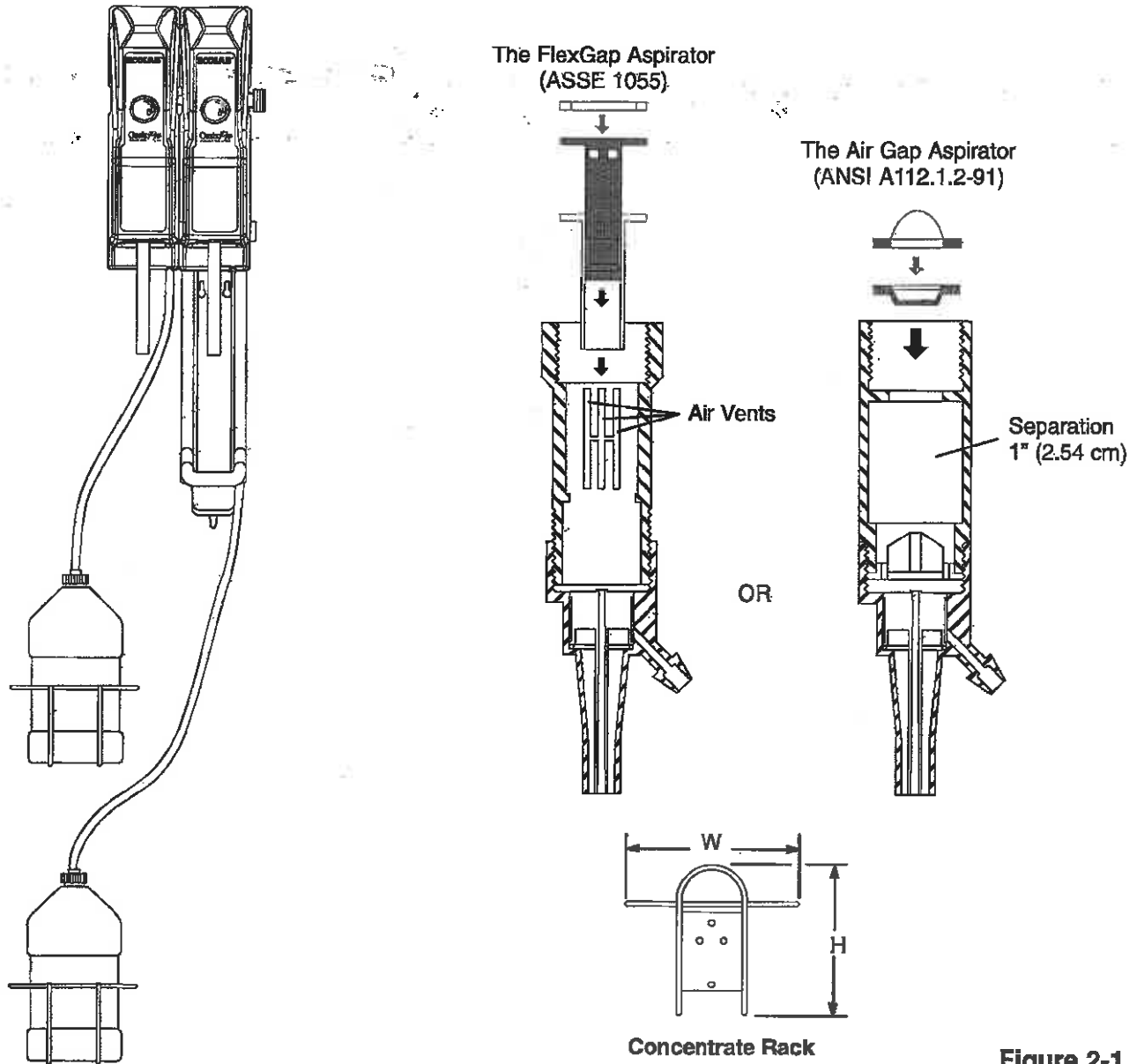


Figure 2-1

### 2.1 Dimensions

#### 2.1.1 Dispenser Unit

- Height: 13-1/8 in. (33.3 cm)
- Width: 3-7/8 in. (9.8 cm)
- Depth: 7 in. (17.8 cm) – to top of push-button extension on mop bucket
- Depth: 5-7/8 in. (14.9 cm) – for bottle activated

---

### 2.1.2 Concentrate Rack

- Height: 6 in. (15.2 cm)
- Width: 6-1/4 in. (15.9 cm)
- Depth: 6-3/4 in. (17.1 cm)

## 2.2 Plumbing Requirements

A water source with the following static pressure requirements:

Minimum: 20 PSI

Maximum: 75 PSI



Maximum temperature of water source should not exceed 140°F (60°C) for floor care.

Maximum temperature of water source should not exceed 110°F (43°C) for spray bottles.

**NOTE: Failure to prevent water temperature from exceeding maximum recommendation voids all warranties and may cause permanent damage to dispensing unit.**

Dispenser is pre-configured with water supply inlet positioned on the right side of the dispenser. A 90° fitting is included to accommodate the water supply inlet.

## 2.3 Required Installation Tools

- Channel-lock pliers
- Electric or cordless drill
- Drill bit
  - 1/4 in. (6 mm) masonry bit
- Standard screwdriver 
- Phillips screwdriver 
- Level
- Utility knife
- Tape
- Marking pencil
- Hammer
- 5/16 in. (8 mm) Nut driver (optional)

## 2.4 Maximum Dilution Rates (no tip)

1 gpm FlexGap – 1:3

4 gpm FlexGap – 1:6

1 gpm Air Gap – 1:4

3 gpm Air Gap – 1:6

## 3.0 Specifications

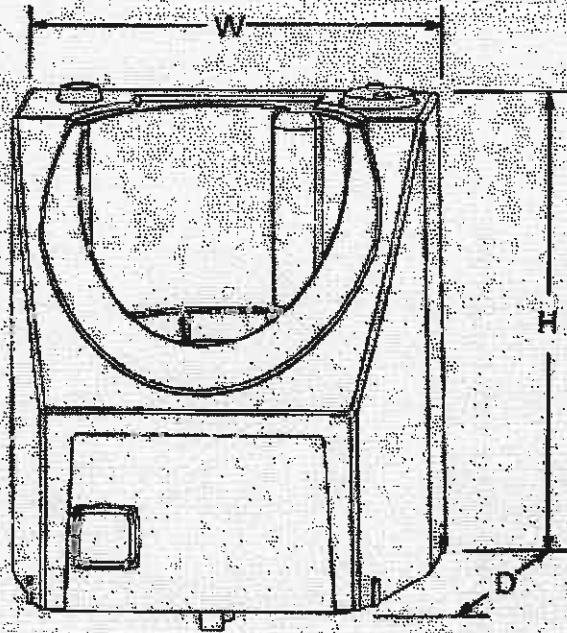


Figure 3-1

### 3.1 Dimensions

- Height (H): 13" (33 cm)
- Width (W): 9-5/8" (24.5 cm)
- Depth (D): 9" (23 cm) (to the outside of the white knob)
- Weight: Approximately 5 lbs. (2.3 kg) (plus the product weight)

**NOTE:** The dispenser must be mounted on a convenient vertical surface readily accessible to the operator. It must be mounted high enough to insure a downhill slope of the discharge tube from the bottom of the dispenser.

### 3.2 Service Access

An unrestricted vertical clearance of at least 7" (17.8 cm) must be provided directly above the dispenser to allow for product insertion, and for removal of the dispenser hood.

### 3.3 Dispenser Discharge Tubing

Discharge tubing is to be 5/8" Mayon tubing and must extend downward. Any uphill slope, or loops in the discharge tubing will result in the dispenser overflowing.

### 3.4 Water Requirements

The water supply, for proper dispensing rates must be 110° - 160°F (43 - 73°C) at a flow pressure of 20 psi (1.4 bar). The water line to the dispenser can be 1/4" or 3/8" copper (1/4" fitting supplied).

**NOTE:** Water pressure at the dispenser must be between 15 - 60 psi.

**NOTE:** If the water temperature is greater than 160°F (71°C), connect the unit to cold water and triple the recommended dispensing time.



**Routine Preventive Maintenance  
Service Detail Report - Warewashing**

**Everywhere It Matters**  
1-800-35-CLEAN

Location: Kitchen

Ecolab Rep:  
RICHARD J RUGGIERO  
Manager: JEFFREY R  
JABOT

**BONEFISH GRILL 7042**

2408 TYRONE BLVD N

Service Date: 09/05/2013

Time - IN: 10:18 am

SAINT PETERSBURG FL 33710  
019772753

Time - OUT: 10:27 am

Valued Customer Since Dec-2005

**Hobart C-44A Inspection**

**Results**

\* Results Rating                      Dishware                      Good

**Machine**

Machine	Checked - OK
Arms	Checked - OK
Arm End Caps	Checked - OK
Booster Heater	Checked - OK
Bypass	Checked - OK
Conveyor	Checked - OK
Curtains	Checked - OK
Door	Checked - OK
Drain	Checked - OK
Heaters	Checked - OK
Jets	Checked - OK
Nozzles	Checked - OK
Overflow	Checked - OK
Pressure Gauge	Checked - OK
Pressure Valve	Checked - OK
Pump	Checked - OK
Scrap Tray	Checked - OK
Switch	Checked - OK
Tanks	Checked - OK
Temperature Gauge	Checked - OK
Thermostat	Checked - OK
Timer	Checked - OK
Vacuum Breaker	Checked - OK
Valves	Checked - OK
Water	Checked - OK
Water Pressure	Checked - OK
Water Level	Checked - OK

**Dispensing**

Warewashing Machine                      Checked - OK

**Readings**

* Final Rinse PSI	21 psi
* Final Rinse Temp	180 deg. F
* Wash Temp	160 deg. F
* Detergent Titration - drops	13 drops
* Rinse Additive	1.1 mls
* Sanitizer - ppm	0 ppm
* Water Hardness	0 gpg
Pot and Pan Sanitizer	250 ppm

**COMMENTS:**

the scale control SCS50 wash removed from filter sys on 8/23/13 and Returned , this SCS50 was also not hooked up to the in machine

**Kitchen Area**



**Everywhere It Matters**  
1-800-35-CLEAN

**Routine Preventive Maintenance  
Service Detail Report - Warewashing**

Location: Kitchen

Ecolab Rep:  
RICHARD J RUGGIERO  
Manager: JEFFREY R  
JABOT

**BONEFISH GRILL 7042**

2408 TYRONE BLVD N

Service Date: 09/05/2013

SAINT PETERSBURG FL 33710  
019772753

Time - IN: 10:18 am

Time - OUT: 10:27 am

Valued Customer Since Dec-2005

**Kitchen Area**

**DISPENSING**

Warewashing Checked - OK

**DISH AREA**

Prescrap Hose Checked - OK

Procedures Checked - OK

Sink Checked - OK

**KITCHEN AREA**

Equipment Checked - OK

**PRODUCT**

Warewashing Checked - OK

**360 Visualizer**

**DISPENSING**

Dispensing System Checked - OK

**EXTERIOR**

Garbage / Dumpster Checked - OK

**FLOORS**

Warewashing Checked - OK

**FRONT OF THE HOUSE**

Dining Area Checked - OK

**GENERAL OPERATION**

Hot Water Boiler Checked - OK

House Electrical Checked - OK

House Water Checked - OK

**SAFETY**

First Aid Kit Checked - OK

MSDS Station Checked - OK

Biohazard Kit Checked - OK

Personal Protective Gear Checked - OK

Spray Bottles Checked - OK

Test Strips Checked - OK

Wall Charts - Warewashing Checked - OK

**STORAGE AREA**

Chemical Checked - OK

Mop Closet Checked - OK



Everywhere It Matters  
1-800-35-CLEAN

**Routine Preventive Maintenance  
Service Detail Report - Warewashing**

Location: Kitchen

Ecolab Rep:  
RICHARD J RUGGIERO  
Manager: JEFFREY R  
JABOT

**BONEFISH GRILL 7042**

2408 TYRONE BLVD N

Service Date: 09/05/2013

Time - IN: 10:18 am

SAINT PETERSBURG FL 33710  
019772753

Time - OUT: 10:27 am

Valued Customer Since Dec-2005

CODE	NAME	INV	QTY

*No Charge for Service*

CUSTOMER REVIEW

Customer Acknowledgement

## Kitchen Service Procedures

### Personally Delivered Service

#### Service Commitment

- ▲ On call 24 Hours a Day, 7 Days a Week (1-800-352-5326)

#### Visit Procedures for Ecolab Representative

- ▲ Check in with the General Manager for any problems between calls and for new employees that need training on Ecolab areas of responsibility.
- ▲ Ecolab Representative proceeds with preventative maintenance call.



#### Results Inspected

- ▲ The Ecolab Representative will inspect ware results which may include: dishware, glassware, cups, flatware, pots and pans.

#### Dishmachine Inspected Areas May Include:

- |                     |                  |              |              |
|---------------------|------------------|--------------|--------------|
| ■ Booster Heater    | ■ Door           | ■ Fill Valve | ■ Jets       |
| ■ Rinse Valve       | ■ Water Level    | ■ Drains     | ■ Curtains   |
| ■ Overflow          | ■ Pre-wash Tank  | ■ By-Pass    | ■ Rinse Arms |
| ■ Gauges            | ■ Pumps          | ■ Wash Arms  | ■ Motor      |
| ■ Final Rinse       | ■ Pre-Scrap Hose | ■ Switches   | ■ Conveyors  |
| ■ Water Temperature | ■ Timers         |              |              |

#### Dispensing Equipment Inspected

- ▲ Ecolab Representative will inspect all dispensing equipment to ensure proper function and concentrations.

#### Readings Taken

- ▲ Ecolab Representative will measure/record machine, product and water readings including:

■ Wash Temp	■ Rinse PSI	■ Rinse Additive	■ Detergent Titration
■ Produce Wash	■ Quat Sanitizer	■ Water Hardness	■ Final Rinse Temp

#### General Kitchen Inspection

- ▲ Ecolab Representative will inspect general kitchen area which may include:

■ Pre-scrap Hose	■ Procedures	■ Garbage Disposal	■ Food Contact Surfaces
■ Cooler/ Freezer	■ Sink		

#### 360° of Protection

- ▲ Ecolab Representative will inspect operational areas and potential safety areas including:

■ Eye Wash Station	■ First Aid Kit	■ MSDS Station	■ Wall Charts
■ Spray Bottles	■ Labels	■ Test Strips	■ Front of House
■ Inventory/ Storage	■ Floors	■ Restrooms	
- ▲ All issues identified and services provided will be detailed on a **Service Detail Report**. The Ecolab Representative prior to leaving will make required adjustments, corrections or repairs or make arrangements for them. Service reports will be reviewed electronically and signed by the Manager with all action needed agreed upon. A copy of the report will be faxed or e-mailed the following day.





## Unparalleled Service You Can Trust

Knowledgeable, dependable and experienced Ecolab service specialists are dedicated to ensuring your success. During regularly scheduled visits, your Ecolab Representative will carefully inspect your cleaning and sanitation systems, equipment and operation to make sure everything is running as smoothly and efficiently as possible.

### Personal Service

- ▲ Dedicated service specialists and regular on-site support
- ▲ Customized solutions: the right products, tools, and equipment
- ▲ Demonstrated impact supported by data
- ▲ Onsite employee training at no additional charge
- ▲ Troubleshooting and proactive issue resolution



### Emergency Service Coverage

- ▲ Around-the-clock emergency service coverage - 24/7/365
- ▲ Live customer service agents at **1 800 35 CLEAN**
- ▲ Telephone follow-up on emergency service requests
- ▲ Escalation process to help insure timely issue resolution
- ▲ Technical support provided by world-class chemists, microbiologists and engineers





## Company Overview

From its founding in 1923, Ecolab's story has been one of innovation, customer service, industry leadership and growth. Over the years, we have built upon our humble beginnings – one man transforming a simple idea into a simple product to cost-effectively clean hotel carpets – to become a global company with 40,000 employees serving more than one million customers across a range of industries in more than 160 countries. The company headquarters is located in St. Paul, Minnesota.

### What We Do at Ecolab

At Ecolab, we develop, manufacture and market commercial cleaning, sanitizing, food safety and infection prevention products and services. Our products and services touch the lives of millions of people each day. We are a partner in success with our customers – in helping to ensure the satisfaction of their customers, reducing risks to their business and protecting and enhancing their reputation. Together, we make the world cleaner, safer and healthier – protecting people and vital resources.

Many types of customers – among them restaurants, hospitals, food manufacturing plants and cruise lines – look to us to help ensure their environments are clean, safe and healthy, food is safe to serve and eat and the threat of disease is reduced.

### The Ecolab Team

At Ecolab, our aim is to be there when and wherever our customers need us – providing personalized support any time of day, any day of the year around the globe. Below is a summary of the team that provides support to our customers in the United States and globally.

	Institutional U.S.	Ecolab Global
Sales & Service Team	2,600 associates – all full-time	22,000 associates
Customer Service	24 / 7 / 365 live support – in U.S.	50 regional call centers
Technical Services	24 U.S. product & equipment experts	30 regional teams
Manufacturing	8 Ecolab-operated plants	100+ plants worldwide
R&D and Engineering	1,300 Researchers (including 500+ PhDs) 5,800+ patents 15 Regional R&D Centers	





## Sustainability

Sustainability helps drive everything we do and develop. We recognize that what we do not only has an effect within your property, but also serves as a model for the community as a whole. We take our responsibility seriously.



### Ecolab Sustainability Pledge

We are committed to delivering:

- ▲ **Superior Performance:** The best results the first time.
- ▲ **Improved Environmental Impact:** Programs that help protect employee health and safety and minimize impact on land, air and water.
- ▲ **Operational Savings:** Minimize wasteful consumption of water, energy, product, labor and packaging materials.



CLEAN  
SAFELY



SAVE  
ENERGY



CONSERVE  
WATER



REDUCE  
WASTE

### Helping Conserve Resources and Reduce Waste

- ▲ Our Solutions are proven to **clean safely** and reduce consumption of water, energy and packaging materials while protecting human health and ensuring safety.
- ▲ Up to **48% energy savings** gained using innovative laundry programs which reduces wash cycle steps thus saving water and energy.
- ▲ Up to **46% water savings** gained through advanced warewashing systems that monitor dishmachine use to lower rack counts and conserve utilities.
- ▲ Up to **98% less waste** when concentrated housekeeping solutions are used which generate less plastic waste than ready-to-use products.



# Memorandum of Insurance

MEMORANDUM OF INSURANCE					DATE 16-Dec-2014	
<p>This Memorandum is issued as a matter of information only to authorized viewers for their internal use only and confers no rights upon any viewer of this Memorandum. This Memorandum does not amend, extend or alter the coverage described below. This Memorandum may only be copied, printed and distributed within an authorized viewer and may only be used and viewed by an authorized viewer for its internal use. Any other use, duplication or distribution of this Memorandum without the consent of Marsh is prohibited. "Authorized viewer" shall mean an entity or person which is authorized by the insured named herein to access this Memorandum via <a href="https://online.marsh.com/marshconnectpublic/marsh2/public/moi?client=3536013">https://online.marsh.com/marshconnectpublic/marsh2/public/moi?client=3536013</a>. The information contained herein is as of the date referred to above. Marsh shall be under no obligation to update such information.</p>						
<b>PRODUCER</b> Marsh USA Inc. ("Marsh")			<b>COMPANIES AFFORDING COVERAGE</b>			
<b>INSURED</b> Ecolab Inc., Nalco Company, Nalco Champion 370 North Wabasha Street St. Paul Minnesota 55102 United States			Co. A National Union Fire Ins Co of Pittsburgh PA			
			Co. B Ins. Co. of the State of Pennsylvania			
			Co. C New Hampshire Ins. Co.			
			Co. D ACE Property & Casualty Ins Co			
<b>COVERAGES</b>						
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS MEMORANDUM MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS						
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE	POLICY EXPIRATION DATE	LIMITS LIMITS IN USD UNLESS OTHERWISE INDICATED	
A A	GENERAL LIABILITY Commercial General Liability Occurrence	GL4267827 GL4267828 (Products)	31-DEC-2014 31-DEC-2014	31-DEC-2015 31-DEC-2015	GENERAL AGGREGATE PRODUCTS - COMP/OP AGG PERSONAL AND ADV INJURY EACH OCCURRENCE FIRE DAMAGE (ANY ONE FIRE) MED EXP (ANY ONE PERSON)	USD 5,000,000 USD 15,000,000 USD 2,000,000 USD 2,000,000 Prem / USD 5,000,000 Products USD 500,000
A A B	AUTOMOBILE LIABILITY Any Auto	CA3814998 (AOS) CA4875657 (MA) CA3814999 (VA)	31-DEC-2014 31-DEC-2014 31-DEC-2014	31-DEC-2015 31-DEC-2015 31-DEC-2015	COMBINED SINGLE LIMIT BODILY INJURY (PER PERSON) BODILY INJURY (PER ACCIDENT)	USD 5,000,000

					PROPERTY DAMAGE	
D	EXCESS LIABILITY Umbrella Form	XOOG27423930	31-DEC-2014	31-DEC-2015	EACH OCCURENCE	USD 10,000,000
					AGGREGATE	USD 10,000,000
	GARAGE LIABILITY				AUTO ONLY (PER ACCIDENT)	
					OTHER THAN AUTO ONLY:	
					EACH ACCIDENT	
					AGGREGATE	
C B C C	WORKERS COMPENSATION / EMPLOYERS LIABILITY THE PROPRIETOR / PARTNERS / EXECUTIVE OFFICERS ARE Included	WC011953144 (AOS) WC011953147 (MA) WC011953145 (AK,AZ,IL,KY,NC,NH,NJ,PA,UT,VA,VT) WC011953151 WI (incl Stop Gap ND,WA,WY)	31-DEC-2014 31-DEC-2014 31-DEC-2014 31-DEC-2014	31-DEC-2015 31-DEC-2015 31-DEC-2015 31-DEC-2015	WORKERS COMP LIMITS EL EACH ACCIDENT EL DISEASE - POLICY LIMIT EL DISEASE - EACH EMPLOYEE	Statutory USD 2,000,000 USD 2,000,000 USD 2,000,000
A	Excess Workers' Compensation	XWC9883932 (OH)	31-DEC-2014	31-DEC-2015	WC Statutory Limits;	EL 1M/1M Excess of 1M SIR
C	Workers Compensation	WC011953149 (OR); WC011953148 (FL)	31-DEC-2014	31-DEC-2015	See Above	
C	Workers Compensation	WC011953146 (ME); WC011953150 (CA)	31-DEC-2014	31-DEC-2015	See Above	
The Memorandum of Insurance serves solely to list insurance policies, limits and dates of coverage. Any modifications here to are not authorized.						

<b>MEMORANDUM OF INSURANCE</b>	<b>DATE</b> 16-Dec-2014
<p>This Memorandum is issued as a matter of information only to authorized viewers for their internal use only and confers no rights upon any viewer of this Memorandum. This Memorandum does not amend, extend or alter the coverage described below. This Memorandum may only be copied, printed and distributed within an authorized viewer and may only be used and viewed by an authorized viewer for its internal use. Any other use, duplication or distribution of this Memorandum without the consent of Marsh is prohibited. "Authorized viewer" shall mean an entity or person which is authorized by the insured named herein to access this Memorandum via <a href="https://online.marsh.com/marshconnectpublic/marsh2/public/moi?client=3536013">https://online.marsh.com/marshconnectpublic/marsh2/public/moi?client=3536013</a>. The information contained herein is as of the date referred to above. Marsh shall be under no obligation to update such information.</p>	
<b>PRODUCER</b> Marsh USA Inc. ("Marsh")	<b>INSURED</b> Ecolab Inc., Nalco Company, Nalco Champion 370 North Wabasha Street St. Paul Minnesota 55102 United States

**ADDITIONAL INFORMATION**

Any person or organization is included as additional insured on the auto liability, general liability and umbrella liability policies, where required by written contract executed prior to loss. Refer to the sections below for the applicable additional insured, waiver of subrogation, notice of cancellation and other endorsements that may apply, where required by contract. All endorsements are issued on a blanket basis without having to specifically name individual customers or others on an endorsement.

\*\*\*\*

Any person or organization is included as additional insured on the auto liability, general liability and umbrella liability policies, where required by written contract executed prior to loss. Refer to the sections below for the applicable additional insured, waiver of subrogation, notice of cancellation and other endorsements that may apply, where required by contract. All endorsements are issued on a blanket basis without having to specifically name individual customers or others on an endorsement.

\*\*\*\*

Named Insured: coverage under the policies shown above apply to Ecolab Inc., its subsidiaries, and business units including but not limited to the following:

Ecolab Inc.  
370 Wabasha St. N.  
St. Paul, MN 55103

Ecovation, Inc  
Food Safety Specialists, Inc  
GCS Services, Inc.  
Pest Elimination

Nalco Company  
1601 West Diehl Road  
Naperville, IL 60563

Nalco Crossbow Water LLC  
Nalco Fab-Tech LLC  
Nalco One Source LLC  
Nalco Industrial Outsourcing  
Quantum Technical Services, LLC  
Res-Kem LLC  
Res-Kem General Water LLC  
Nalco Cal Water LLC

Nalco Champion  
7705 Highway 90-A  
Sugar Land, TX 77478

Champion Technologies, Inc.  
Corsicana Technologies, Inc. (Corsitech)  
Fresno Energy, LLC  
Permian Mud Service, Inc.  
Texian Development, Inc.  
Tiorco, LLC

Additional Insured: Where required by written contract executed prior to loss, the certificate holder and any person

or organization are included as additional insured on the auto liability, general liability and umbrella liability policies. The following endorsements are attached to the policies shown above:

General Liability (Premises) and General Liability (Products/Completed Operations)  
Additional Insured-Where Required Under Contract or Agreement 61712 (Premises); 94954 (Products)  
Additional Insured-Vendors CG2015  
Additional Insured-Primary Insurance 74434 (Premises); 94955 (Products)

General Liability (Premises)  
Additional Insured-State of Governmental Agency or Subdivision or Political Subdivision-Permits or Authorizations CG2012  
Additional Insured-Lessor of Leased Equipment CG2028  
Additional Insured-Owners, Lessees or Contractors-Automatic Status When Requirement in Construction Agreement with You CG2033

General Liability (Products/Completed Operations)  
Additional Insured-Owners, Lessees or Contractors-Completed Operations CG2037  
Automobile Liability  
Additional Insured-Where Required Under Contract or Agreement 87950  
Lessor-Additional Insured and Loss Payee CA2001

Insurance Primary as to Certain Additional Insureds 74445

Waiver of Subrogation: Where required by written contract executed prior to loss, waiver of subrogation is granted on the auto liability, general liability, workers' compensation and umbrella liability policies. The following endorsements are attached to the policies shown above:

General Liability (Premises) and General Liability (Products/Completed Operations): Waiver of Transfer of Rights of Recovery Against Others to Us CG2404  
Automobile Liability: Waiver of Transfer of Rights of Recovery Against Others to Us 62897  
Workers' Compensation & Employers Liability: Waiver of Our Right to Recover from Others WC000313

Notice of Cancellation: The following endorsements are attached to the policies shown above:

General Liability (Premises), General Liability (Products/Completed Operations) and Automobile Liability:  
Limited Advice of Cancellation to Scheduled Entities 108538  
Workers' Compensation & Employers Liability: Limited Advice of Cancellation Provided Via Email to Entities Other Than the Named Insured WC990056

Pesticide or Herbicide Applicator Coverage CG2264 is attached to the general liability (premises) liability policy shown above

Blended Pollution Named Peril & Time Element is attached to the general liability (premises) policy shown above

Waiver of Governmental Immunity Endorsement CG2414 is attached to the general liability (premises) policy shown above

Alternate Employer Endorsement WC000301, WC000301A are attached to the workers' compensation policies shown above

Longshore and Harbor Workers' Compensation Act Coverage Endorsement WC000106A is attached to the workers' compensation policies shown above

Umbrella SIR of \$1M is applicable only to General or Products Liability first loss after primary limits are exhausted.

Maritime Coverage Endorsement WC000201A (Jones Act) is attached to the workers' compensation policies shown above.

Outer Continental Shelf Lands Act Coverage Endorsement WC000109B is attached to the workers' compensation policies shown above.

The insurance evidenced herein and in the referenced policies is not intended to provide coverage beyond that required by written contract, beyond the Named Insured's indemnification obligations or at law.

The Memorandum of Insurance serves solely to list insurance policies, limits and dates of coverage. Any modifications hereto are not authorized.





### **Ecolab Standard Indemnification Coverage**

With regard to third party claims, Ecolab will defend, indemnify and hold Customer harmless from and against any liability, including reasonable attorneys' fees and court costs, relating to bodily injury, death or property damage, but only to the proportionate extent that such injury, death or property damage is caused by (i) Ecolab's breach of its warranties or (ii) Ecolab's (or its employees' or agents') negligent or intentionally wrongful acts or omissions. Customer must give Ecolab prompt written notice of any claim for which Customer intends to seek recovery from Ecolab under this Agreement. If Ecolab accepts tender for indemnity hereunder, Customer may not settle, defend or litigate any claim for which Customer seeks or will seek indemnification from Ecolab without the prior written consent of Ecolab, and Ecolab will not be liable for any settlement or claim established against, or cost or expense incurred by, Customer without that prior written consent.

# Rinse Dry

## CLASSIFICATION

High Performance Rinse Additive and Drying Agent

## PRODUCT DESCRIPTION

Consistent performer in soft-to-hard water conditions. Gentle on plastic but tough as nails on jet-blocking foam.

## USE

Corrections: The recommended use dilution ratio is 0.032 oz per 10 gallons of water. Product usage is dependent on machine type, water and soil conditions

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState      Liquid. [Liquid.]  
 Color                Green. [Light]  
 Odor                 Faint odor  
 pH                    2.701 [Conc. (% w/w): 100%]

### Compositional information:

Alcohol Ethoxylate	68002-97-1
Poloxamer	9003-11-6
Water	7732-18-5

% P                    Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4 - 1 U.S. gal/3.78 L	10942
5 gal/18.9L	10934

# Solitaire

**CLASSIFICATION**

Concentrated Solid Detergent for Manual Warewashing

**PRODUCT DESCRIPTION**

Maximum cleaning power under normal conditions and soils. Wall mounted, push button dispenser for less counter clutter. Pleasantly scented fragrance.

**USE**

**FOR INDUSTRIAL USE ONLY  
DO NOT MIX WITH ANYTHING BUT WATER**

**DIRECTIONS FOR USE**  
Use only in an Ecolab dispenser.

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container. Dispose of empty container immediately. Do not reuse.
- If product from empty container contacts your skin or clothing, wash off immediately.

**Recommended Usage (Maximum):**  
2.0 oz. / 20 US Gal (16 Drops)  
Corrections: 0.25 oz / 10 US Gal (2 Drops)  
**For service or additional information, call 1-800-35-CLEAN (352-5326)**

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid
Color	Pink [Light]
Odor	Citrus
pH	8.3 [Conc. (% w/w): 1%]

**Ingredients:**

Water	7732-18-5
Sodium Acetate	127-09-3
Sodium Linear Alkylbenzenesulfonate	25155-30-0
Cocoamidipropyldimethylamine Oxide	68155-09-9
Polyethylene Glycol	25322-68-2
Lauramide MEA	142-78-9
Alkyl Ethoxylate Sulfuric Acid, Sodium Salt	68585-34-2
Ethanol	64-17-5

% P                      Formula ingredients contain no phosphorus

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
2 - 5 lb (2.27 kg)	10884
4 - 5 lb (2.27 kg)	17301

# Silver Power

**CLASSIFICATION**

Presoak for Machine Warewashing

**PRODUCT DESCRIPTION**

Exclusive formula designed to remove starches and other soils. Detarnishes silverware in the presence of aluminum. Color-coded, lock and key designed dispensing system delivers control and consistency.

**USE**

**FOR INDUSTRIAL USE ONLY  
DO NOT MIX WITH ANYTHING BUT WATER**

**Directions For Use**  
*Use only in an Ecolab dispenser.*

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container. Dispose of empty container immediately. Do not reuse.
- If product from empty container contacts your skin or clothing, wash off immediately.
- Use handle to place full container in the Silver Power dispenser with the open end down.

**Recommended Usage (Maximum):**  
 High: 0.6 oz. / US Gal (25 Drops)  
 Corrections: 0.5 oz / 10 US Gal (2.5 Drops)  
**For Service or additional information, call 1-800-35-CLEAN (352-5326)**

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid [Cast Solid]
Color	Blue [Dark]
Odor	Citrus
pH	10.5 [Conc. (% w/w): 1%]

**Ingredients:**

Sodium Carbonate	497-19-8
Water	7732-18-5
Linear Ethoxylate	68551-12-2
Sodium Polymethacrylate	54193-36-1
Sodium Citrate	68-04-2
Trisodium HEDTA	139-89-9

% P                      Formula ingredients contain no phosphorus

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
2 - 8 lb (3.6 kg)	12922

# Jet Dry®

## CLASSIFICATION

Rinse Additive and Drying Agent

## PRODUCT DESCRIPTION

Promotes sheeting action. For automatic injection into the final rinse. Use in soft to medium-hard water. Contains an exclusive defoamer. Fast sheeting action may save time and eliminate spots.

## USE

### FOR INDUSTRIAL USE ONLY DIRECTIONS FOR USE

- Ecolab specialist will install an appropriate dispenser and adjust it to automatically dispense the proper amount of product for your dish machine and water conditions
- When Jet Dry container is empty, load a new container by removing pick-up probe/tube from empty container and placing it in the new container.
- Do not let injector run out of rinse additive.
- Corrections: The recommended use dilution ratio is 0.064 oz per 10 gallons of water.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid [Liquid]
Color	Green [Dark]
Odor	Odorless
pH	2.61 [Conc. (% w/w): 100%]

### Ingredients:

Polaxamer	9003-11-6
Alcohol Ethoxylate	68002-97-1
Water	7732-18-5

% P                      Formula ingredients contain no phosphorus.

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4-1 US gal/4-3.78 L	11817
5 US gal/18.9 L	11833
15 US gal/56.8 L	11809

# Solid Power XL

**CLASSIFICATION**

Extended Life Dishmachine Detergent

**PRODUCT DESCRIPTION**

50% More Concentrated for More Clean Dishes  
 99.7% Phosphate & Phosphorus Free

**USE**

**FOR FOOD PLANT AND INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE  
 DO NOT MIX WITH ANYTHING BUT WATER**

This product is not for use as a machine warewashing sanitizer. Equipment, utensils or surfaces subject to direct food contact are to be thoroughly rinsed with potable water after treatment.

**Use only in an Ecolab dispenser.**

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container.
- Dispose of empty container immediately. Do not reuse.
- Use handle to place full container in the dispenser with the open end down.

**Recommended Usage (Maximum):**

High: 2.0 oz. / 10 US Gal (25 Drops)  
 Corrections: 0.5 oz / 10 US Gal (6.25 Drops)

**Consult your Ecolab Specialist for specific use directions.**

**For service or additional information, call 1-800-35-CLEAN (352-5326)**

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid. [Cast Solid]
Color	White
Odor	Odorless
pH	12.5 to 12.8 [Conc. (% w/w): 1%]

**Ingredients:**

Sodium Hydroxide	1310-73-2
Water	7732-18-5
Sodium Carbonate	497-19-8
Sodium Polyacrylate	9003-04-7
Poloxamer	9003-11-6
Polyacrylic-Maleic Sodium Salt	52255-49-9

% P                      Formula ingredients contain not more than 0.2% phosphorus, 0.1 g per gal of recommended use concentration.

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
2 - 9 lb (4.1 kg)	6100183
4 - 9 lb (4.1 kg)	6100185

# Ultra Klene - Ecotemp

**CLASSIFICATION**

Detergent for Energy-Efficient Machine Warewashing

**PRODUCT DESCRIPTION**

Exceptional soil cutting formulation for more efficient one pass washing in most water conditions.

**USE**

**FOR INDUSTRIAL USE ONLY  
NOT FOR HOUSEHOLD USE  
DIRECTIONS FOR USE**

Ultra Klene detergent is to be used only with Ultra Dry rinse additive and Ultra San sanitizer. Use only in an Ecotemp system. Ultra Klene detergent is safe for use on Institutional china, glassware, stainless steel, and plastic ware. Ultra Klene detergent is not recommended for use on silver, aluminum, or other soft metals.

Corrections: The recommended use dilution ratio is 0.75 oz per 10 gallons of water.

**Consult your Ecolab representative for specific use instructions and recommended dispensing equipment.**

**For service or additional information, call 1-800-35-CLEAN (352-5326)**

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State      Liquid [Liquid]  
Color                    Red [Dark]  
Odor                    Odorless  
pH                        13.5 [Conc. (% w/w): 100%]

**Ingredients:**

Water	7732-18-5
Sodium Hydroxide	1310-73-2
2-phosphonobutane - 1,2,4 - Tricarboxylic Acid, Sodium Salt	40372-66-5

% P                      Formula ingredients contain not more than 0.2 % phosphorus, 0 g per gal of recommended use concentration.

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
4-1 U.S. gal (4-3.78 L)	13326
5 US gal (18.9 L)	12716

# Lime-A-Way

## CLASSIFICATION

Multipurpose Lime Scale Remover

## PRODUCT DESCRIPTION

Deliming plays a critical role in dishmachine maintenance. Ecolab offers a full line of Lime-A-Way® products to effectively delime dishmachines and surrounding stainless steel.

## USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

**DELIMING DISHMACHINES** - Fill tank to 2 to 3 inches below overflow. Turn on tank heaters. Add entire contents of container of *Lime-A-Way* and run machine until lime scale disappears. Apply full strength where spray does not reach. Scrape off heavy lime build-up. Drain tank. Refill with potable water. Run machine 5 minutes and drain. Delime as necessary to prevent reoccurrence of lime scale.

**DELIMING STEAM TABLES** - Brush or spray *Lime-A-Way* full strength on interior surfaces. Let stand 10 minutes, then fill with water. Turn on heat and bring to operating temperature. Let stand 10 minutes. Brush or scrape off remaining deposits. Drain and flush thoroughly with potable water.

**DESCALING COFFEE URNS** - Fill urn jacket with hot water. Add 1 U.S. fl. oz. *Lime-A-Way* per U.S. gal. (8 ml/L) hot water. Heat and let stand 15 minutes. Drain and rinse thoroughly with potable water.

**CLEANING ALUMINUM EQUIPMENT** - Soak utensils in solution of 3 U.S. fl. oz. *Lime-A-Way* per U.S. gal. (23 ml/L) of hot water until bright. Rinse thoroughly with potable water and drain dry. For large items, apply solution with saturated cloth or sponge. Rinse thoroughly with potable water and drain dry. Avoid prolonged contact with aluminum.

**CORRECTIONS** - The recommended use dilution ratio is 5 oz per 10 gallons of water.  
**Consult your Ecolab Specialist for specific use directions.**

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Green. [Dark]
Odor	Odorless
pH	0.1 to 0.2 [Conc. (% w/w): 100]

### Compositional information:

Water	7732-18-5
uronium hydrogen sulphate	21351-39-3
urea	57-13-6

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4-1 U.S. gal/3.78 L	18700



# Oasis 146 Multi-Quat Sanitizer

## CLASSIFICATION

Quat sanitizer

## PRODUCT DESCRIPTION

Disinfectant - Cleaner - Sanitizer - Deodorizer. Institutional and Industrial Use. Institutions - Schools - Restaurants - Food Services

## USE

Please refer to product container label for complete Directions For Use.

It is a violation of Federal law to use this product in manner inconsistent with its labeling.

Apply *Oasis 146 Multi-Quat Sanitizer* with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray. Fresh solution must be prepared daily or when use solution becomes visibly dirty.

**To Sanitize Food Contact Surfaces, Food Processing Equipment and Other Hard Surfaces In (Food Processing Locations, Dairies, or Restaurants):**

Use *Oasis 146 Multi-Quat Sanitizer* to sanitize pre-cleaned hard non-porous surfaces of food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage areas and display equipment and other hard non-porous surfaces in federally inspected meat and poultry plants or restaurants. Prior to application, remove gross food particles and soil by a pre-flush, pre-scrape or when necessary, a pre-soak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner followed by a potable water rinse before application of the sanitizing solution. Apply a use-solution of 1 fl. oz. to 2.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* per 4 gallons of 400 ppm hard water (150 - 400 ppm active quat) or 1.25 fl. oz. to 2.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* per 4 gallons of 500 ppm hard water (200 - 400 ppm active quat). Expose all surfaces to the sanitizing solution for a period of not less than 1 minute. Allow equipment to drain thoroughly and air dry. In dairy processing facilities and restaurants in Wisconsin, clean equipment with a good detergent and follow with a potable water rinse, then rinse equipment with a sanitizing solution of 1.25 oz. to 2.67 oz. of 146 Multi-Quat Sanitizer per 4 gallons of 500 ppm hard water (200 - 400 ppm active quat).

**Restaurant and Bar Rinse - Sanitizing Eating and Drinking Utensils**

1. Scrape and pre-flush utensils to remove excess soil.
2. Wash with good detergent or compatible cleaner (see your Ecolab representative for a recommendation).
3. Rinse with potable water.
4. Sanitize in a solution of 0.25 fl. oz. - 0.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* to 1 gallon of 400 ppm water (150 - 400 ppm active quat). In Wisconsin sanitize in a solution of 0.32 fl. oz. - 0.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* to 1 gallon of 500 ppm water (200 - 400 ppm active quat). Immerse all utensils for at least 1 minute. Use 2 minutes exposure time if required by governing sanitary code.
5. Drain and air dry.

**NOTE:** A clean potable water rinse following sanitization is not permitted under Section HFS 196.13 of the Wisconsin Administrative Code.

**Sanitizing - Non-Porous Gloved Hands:**

To prevent cross contamination into animal areas and the packaging and storage areas of food plants, dip, soak or spray pre-washed (plastic, latex or other synthetic rubber) gloved hands sanitizing solution to cover the gloved area. For sprayer applications, use a coarse spray device and spray the glove surfaces until thoroughly wetted. Do not breathe spray. Do not let sanitizing solution come in contact with exposed skin. Make up the sanitizing solution by adding 1 to 2.67 fl. oz. of product per 4 gallons of water (or equivalent use dilution) (150-400 ppm active quat). Dip, soak or spray in solution and allow gloved hands to remain wet for at least 60 seconds. Allow to air dry. No potable water rinse is allowed. Change the sanitizing solution at least daily or when solution appears dirty.

**NOTE:**

**FOR MECHANICAL OPERATIONS:** A prepared use solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning.

**FOR MANUAL OPERATIONS:** Prepare a fresh sanitizing solution as soon as it becomes diluted or soiled.

**GENERAL VIRUCIDAL\*/FUNGICIDAL DISINFECTION:**

At 1.0 fl. oz. per 1 gallon of water, this product is an effective general disinfectant that can be used to disinfect floors, walls, finished woodwork, sink tops, garbage pails, telephones, rest rooms, bathroom fixtures, and other hard, nonporous surfaces. For heavily soiled areas, a pre-cleaning step is required. Apply disinfecting solution to surface by flushing, mopping, sponging or hand pump spraying so as to thoroughly wet surface. Allow surface to remain wet for 10 minutes. Remove solution with a clean mop, cloth, or wet vacuum pickup or allow to air dry. Prepare fresh solution at least daily or when use becomes visibly dirty. Any food contact surfaces that have been disinfected must be thoroughly rinsed with potable water. Do not use this product as a disinfectant on glasses, dishes or utensils. Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

**Non-Acid Toilet Bowl Disinfectant / Cleaner Directions:**

Remove gross filth prior to disinfection.

**From Concentrate:** Add ½ fl. oz. to the bowl and mix. Brush over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

**From Use Solution:** Empty toilet bowl or urinal and apply 1 fl. oz. per gallon use-solution to exposed surfaces and under the rim with a cloth, mop, sponge or mechanical spray. Brush or swab thoroughly. Let stand for 10 minutes and flush.

**For Heavy Duty Use:** Empty toilet bowl or urinal and apply 4 fl. oz. per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly. Let stand for 10 minutes and flush.

**Deodorizing Directions:**

This product deodorizes garbage storage areas, garbage bins, toilet bowls and any other hard non-porous surfaces in odor causing areas. Mix ½ fl. oz. per gallon of water and apply solution to surfaces. Thoroughly wet surfaces, allow to air dry.

**Cleaning and Disinfection:** For general cleaning and disinfection, use 4.0 fl. oz. per 4 gallons of water. Apply use solution with a cloth, mop, sponge, sprayer or by immersion to thoroughly wet the surfaces. Treated surfaces must remain wet for 10 minutes. Wipe or allow to air dry. For heavily soiled surfaces, pre-clean first. Prepare a fresh solution for each use or more often if solution becomes visibly diluted, clouded or soiled.

**For Heavy Duty Cleaning:** When greater cleaning is desired, use 7 fl. oz. of Multi-Quat per 4½ gallons water. Heavily soiled areas may require repeated cleaning.

**Non-Food Contact Surface Sanitizing:**

Add 0.34 fl. oz. of Oasis 146 Multi-Quat Sanitizer per 1 gallon of water (200 ppm active quat) to sanitize hard, nonporous non-food contact surfaces. Apply sanitizer use-solution with a cloth, mop, sponge, sprayer or by immersion. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 60 seconds. Wipe dry with a sponge, mop, or cloth or allow to air dry. Oasis 146 Multi-Quat Sanitizer can be used to sanitize hard, non-porous food contact surfaces such as tables, counters, utensils and food processing equipment. Oasis 146 Multi-Quat Sanitizer is an effective sanitizer against *Escherichia coli* and *Staphylococcus aureus* on food contact surfaces when used at 0.25 fl. oz. - 0.67 fl. oz. per 1 gallon of 400 ppm hard water (150 ppm to 400 ppm active quat). Oasis 146 Multi-Quat Sanitizer is an effective sanitizer against *Escherichia coli*, *Staphylococcus aureus*, *Campylobacter jejuni*, *Escherichia coli* O157:H7, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Salmonella enterica*, *Shigella sonnei*, *Yersinia enterocolitica* and *Enterobacter sakazakii* on food contact surfaces when used at 0.32 fl. oz. - 0.67 fl. oz. per 1 gallon of 500 ppm hard water (200 ppm to 400 ppm active quat).

**DO NOT MIX WITH ANYTHING BUT WATER**

For service or additional information, call 1-800-35-CLEAN (352-5326).

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Liquid
Color	Red
Odor	Disinfectant
pH	7.7 [Conc. (% w/w): 100%] Dilu

**Active Ingredients:**

Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) Dimethyl benzyl ammonium chloride	3.00%
Octyl decyl dimethyl ammonium chloride	2.25%
Didecyl dimethyl ammonium chloride	1.35%
Diocetyl dimethyl ammonium chloride	0.90%
OTHER INGREDIENTS	92.50%
Total	100.00%

**REGULATORY**

EPA Registration Number: 1677-198

**MICROBIOLOGY****Oasis 146 Multi-Quat Sanitizer is proven effective against:**

When used at 0.25 fl. oz. - 0.67 fl. oz. per 1 gallon of 400 ppm hard water (150 ppm to 400 ppm active quat), *Oasis 146 Multi-Quat Sanitizer* is an effective sanitizer against:

*Escherichia coli*  
*Staphylococcus aureus*

When used at 0.32 fl. oz. - 0.67 fl. oz. per 1 gallon of 500 ppm hard water (200 ppm to 400 ppm active quat), *Oasis 146 Multi-Quat Sanitizer* is an effective sanitizer against:

*Escherichia coli*  
*Staphylococcus aureus*  
*Campylobacter jejuni*  
*Escherichia coli O157:H7*  
*Klebsiella pneumoniae*  
*Listeria monocytogenes*  
*Salmonella enterica*  
*Shigella sonnei*  
*Yersinia enterocolitica*  
*Enterobacter sakazakii*

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
2.5 U.S. gal / 9.46 L	17708
4 – 1 U.S. gal / 3.78 L	17781
15 US gal / 56.8	17718

4/26/2011 9:50:52 AM

# Kool Klene

## CLASSIFICATION

No Thaw Freezer Cleaner

## PRODUCT DESCRIPTION

Fast drying formula removes soils quickly and easily, even at -30°F. Cleaning is finished quickly so foods can be replaced immediately.

## USE

**FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE.**

### DO NOT DILUTE PRODUCT

1. Remove all unpackaged food from area before cleaning.
2. Do not dilute. Apply product directly to floors, walls, and shelving by mop, sponge, or sprayer.
3. Allow to soak for 10-20 minutes, depending on the amount of soil and ice present. (heavier soil or ice deposits may require longer soaking for complete removal).
4. Wipe area with mop or sponge to loosen and remove soil. A scraper or abrasive pad may be necessary to loosen heavier built-up deposits.
5. Dry mop or squeegee area to remove excess liquid.
6. Wipe area, if necessary, with clean, dry cloth and remove any remaining residue and aid drying.

**Consult your Ecolab Specialist for specific use directions.**

**For service or additional information, call 1-800-35-CLEAN (352-5326)**

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid]
Color	Green. [Light]
Odor	Alcohol-like
pH	10.6 to 11.8 [Conc. (% w/w): 10]

### Compositional information:

Water	7732-18-5
Glycerin	56-81-5
Isopropyl Alcohol	67-63-0
Monoethanolamine	141-43-5
Alcohol Ethoxylate	34398-01-1

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
<input type="checkbox"/> U.S. gal/3.78 L	15461

# Greasestrip Plus

## CLASSIFICATION

High Performance Clinging Gel Degreaser

## PRODUCT DESCRIPTION

Patented clinging gel formula provides 100% vertical surface contact, coating greasy buildup and cleaning it away.

## USE

**WEAR RUBBER GLOVES AND LONG-SLEEVED GARMENTS WHEN USING THIS PRODUCT.**

1. Spray *Greasesstrip Plus* onto warm 49° - 54°C (120° - 130°F) surface to be cleaned. Cover soiled areas completely with foam.
2. Let *Greasesstrip Plus* penetrate grease deposits for 5 - 10 minutes. Do not let product dry on surface.
3. When used at room temperature, let *Greasesstrip Plus* penetrate grease deposits for at least 10 minutes.
4. Wipe off dissolved and loosened grease with a damp cloth.
5. Rinse with clear water.

Consult your Ecolab Specialist for specific use directions.

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Orange. [Dark]
Odor	Odorless
pH	13.5 [Conc. (% w/w): 100%]

### Compositional information:

Water	7732-18-5
Sodium Hydroxide	1310-73-2
Sodium Gluconate	527-07-1

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
6 - 32 U.S. fl oz/946 ml	29777
4 - 1 U.S. gal/3.78 L	19505

# Oasis 115 XP

## CLASSIFICATION

Extra Strength Floor Cleaner Concentrate

## PRODUCT DESCRIPTION

Extra strength alkaline floor cleaner for daily cleaning and degreasing of quarry tile or other floors without finishes or waxes. Formulated to remove fats, oils, and grease

## USE

**FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE**

### DIRECTIONS FOR USE

Product must be diluted prior to use.

For daily cleaning use 2 US fl oz/gal or 16 ml/l in water.

1. Fill mop bucket with solution using the Oasis Dispenser.
2. Apply cleaning solution with a mop.
3. Leave on floor until solution penetrates soils.
4. Brush floor with a stiff bristled brush.
5. Squeegee solution to floor drain.
6. No rinse necessary.

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid. [Liquid.]
Color	Green. [Dark]
Odor	Fragrance-like
pH	11.25 to 12.25 (100%)

### Ingredients:

Water	7732-18-5
Cocamine Oxide	61788-90-7
Lauryl Glucoside	110615-47-9
Ethanolamine	141-43-5

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
9.46 L (2.5 US GAL)	10625

# Pathways Drain Treatment

## CLASSIFICATION

Grease Trap Grease Digestant

## PRODUCT DESCRIPTION

Pathways Grease Digestant contains special nonpathogenic bacteria that multiply and gobble up the grease, fat and food particles that clog drains, pipes and grease traps. The result is free flowing sinks and floor drains and fewer visits from the plumber!

## USE

### FOR INDUSTRIAL USE ONLY

1. Remove closure from container and discard.
2. Attach product pick-up tube from dispenser to container.
3. Tighten closure attached to the product pick-up tube onto the container.

NOTE: Replace dispenser batteries, if necessary

Consult your Ecolab Specialist for specific use directions.

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState      Liquid. [Liquid.]  
 Color                Green. [Light]  
 Odor                 Citrus  
 pH                    7.5 [Conc. (% w/w): 100%]

### Compositional information:

Water	7732-18-8
Propylene Glycol	57-55-6
Viable Bacterial Cultures	NA

% P                    Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2.5 U.S. gal/9.46 L	29810

# Solitaire

## CLASSIFICATION

Concentrated Solid Detergent for Manual Warewashing

## PRODUCT DESCRIPTION

Maximum cleaning power under normal conditions and soils. Wall mounted, push button dispenser for less counter clutter. Pleasantly scented fragrance.

## USE

**FOR INDUSTRIAL USE ONLY**  
**DO NOT MIX WITH ANYTHING BUT WATER**

**DIRECTIONS FOR USE**  
 Use only in an Ecolab dispenser.

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container. Dispose of empty container immediately. Do not reuse.
- If product from empty container contacts your skin or clothing, wash off immediately.

**Recommended Usage (Maximum):**

2.0 oz. / 20 US Gal (16 Drops)  
 Corrections: 0.25 oz / 10 US Gal (2 Drops)

**For service or additional information, call 1-800-35-CLEAN (352-5326)**

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	Pink [Light]
Odor	Citrus
pH	8.3 [Conc. (% w/w): 1%]

**Ingredients:**

Water	7732-18-5
Sodium Acetate	127-09-3
Sodium Linear Alkylbenzenesulfonate	25155-30-0
Cocoamidipropyldimethylamine Oxide	68155-09-9
Polyethylene Glycol	25322-68-2
Lauramide MEA	142-78-9
Alkyl Ethoxylate Sulfuric Acid, Sodium Salt	68585-34-2
Ethanol	64-17-5

% P                      Formula ingredients contain no phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2 - 5 lb (2.27 kg)	10884
4 - 5 lb (2.27 kg)	17301



# Silver Power

## CLASSIFICATION

Presoak for Machine Warewashing

## PRODUCT DESCRIPTION

Exclusive formula designed to remove starches and other soils. Detarnishes silverware in the presence of aluminum. Color-coded, lock and key designed dispensing system delivers control and consistency.

## USE

**FOR INDUSTRIAL USE ONLY  
DO NOT MIX WITH ANYTHING BUT WATER**

**Directions For Use**  
*Use only in an Ecolab dispenser.*

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container. Dispose of empty container immediately. Do not reuse.
- If product from empty container contacts your skin or clothing, wash off immediately.
- Use handle to place full container in the Silver Power dispenser with the open end down.

**Recommended Usage (Maximum):**

High: 0.6 oz. / US Gal (25 Drops)  
Corrections: 0.5 oz / 10 US Gal (2.5 Drops)

**For Service or additional information, call 1-800-35-CLEAN (352-5326)**

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid [Cast Solid]
Color	Blue [Dark]
Odor	Citrus
pH	10.5 [Conc. (% w/w): 1%]

**Ingredients:**

Sodium Carbonate	497-19-8
Water	7732-18-5
Linear Ethoxylate	68551-12-2
Sodium Polymethacrylate	54193-36-1
Sodium Citrate	68-04-2
Trisodium HEDTA	139-89-9

% P                      Formula ingredients contain no phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2 - 8 lb (3.6 kg)	12922

# Jet Dry®

## CLASSIFICATION

Rinse Additive and Drying Agent

## PRODUCT DESCRIPTION

Promotes sheeting action. For automatic injection into the final rinse. Use in soft to medium-hard water. Contains an exclusive defoamer. Fast sheeting action may save time and eliminate spots.

## USE

### FOR INDUSTRIAL USE ONLY DIRECTIONS FOR USE

- Ecolab specialist will install an appropriate dispenser and adjust it to automatically dispense the proper amount of product for your dish machine and water conditions
- When Jet Dry container is empty, load a new container by removing pick-up probe/tube from empty container and placing it in the new container.
- Do not let injector run out of rinse additive.
- Corrections: The recommended use dilution ratio is 0.064 oz per 10 gallons of water.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid [Liquid]
Color	Green [Dark]
Odor	Odorless
pH	2.61 [Conc. (% w/w): 100%]

### Ingredients:

Polaxamer	9003-11-6
Alcohol Ethoxylate	68002-97-1
Water	7732-18-5

% P                      Formula ingredients contain no phosphorus.

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4-1 US gal/4-3.78 L	11817
5 US gal/18.9 L	11833
15 US gal/56.8 L	11809

# Solid Power XL

**CLASSIFICATION**

Extended Life Dishmachine Detergent

**PRODUCT DESCRIPTION**

50% More Concentrated for More Clean Dishes  
 99.7% Phosphate & Phosphorus Free

**USE**

**FOR FOOD PLANT AND INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE  
 DO NOT MIX WITH ANYTHING BUT WATER**

This product is not for use as a machine warewashing sanitizer. Equipment, utensils or surfaces subject to direct food contact are to be thoroughly rinsed with potable water after treatment.

*Use only in an Ecolab dispenser.*

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container.
- Dispose of empty container immediately. Do not reuse.
- Use handle to place full container in the dispenser with the open end down.

**Recommended Usage (Maximum):**

High: 2.0 oz. / 10 US Gal (25 Drops)  
 Corrections: 0.5 oz / 10 US Gal (6.25 Drops)

**Consult your Ecolab Specialist for specific use directions.  
 For service or additional information, call 1-800-35-CLEAN (352-5326)**

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid. [Cast Solid]
Color	White
Odor	Odorless
pH	12.5 to 12.8 [Conc. (% w/w): 1%]

**Ingredients:**

Sodium Hydroxide	1310-73-2
Water	7732-18-5
Sodium Carbonate	497-19-8
Sodium Polyacrylate	9003-04-7
Poloxamer	9003-11-6
Polyacrylic-Maleic Sodium Salt	52255-49-9

**% P** Formula ingredients contain not more than 0.2% phosphorus, 0.1 g per gal of recommended use concentration.

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
2 - 9 lb (4.1 kg)	6100183
4 - 9 lb (4.1 kg)	6100185

# Ultra Klene - Ecotemp

**CLASSIFICATION**

Detergent for Energy-Efficient Machine Warewashing

**PRODUCT DESCRIPTION**

Exceptional soil cutting formulation for more efficient one pass washing in most water conditions.

**USE**

**FOR INDUSTRIAL USE ONLY**

**NOT FOR HOUSEHOLD USE**

**DIRECTIONS FOR USE**

Ultra Klene detergent is to be used only with Ultra Dry rinse additive and Ultra San sanitizer. Use only in an Ecotemp system. Ultra Klene detergent is safe for use on Institutional china, glassware, stainless steel, and plastic ware. Ultra Klene detergent is not recommended for use on silver, aluminum, or other soft metals.

Corrections: The recommended use dilution ratio is 0.75 oz per 10 gallons of water.

**Consult your Ecolab representative for specific use instructions and recommended dispensing equipment.**

For service or additional information, call 1-800-35-CLEAN (352-5326)

**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State      Liquid [Liquid]  
 Color                 Red [Dark]  
 Odor                  Odorless  
 pH                     13.5 [Conc. (% w/w): 100%]

**Ingredients:**

Water	7732-18-5
Sodium Hydroxide	1310-73-2
2-phosphonobutane - 1,2,4 - Tricarboxylic Acid, Sodium Salt	40372-66-5

% P                     Formula ingredients contain not more than 0.2 % phosphorus, 0 g per gal of recommended use concentration.

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
4-1 U.S. gal (4-3.78 L)	13326
5 US gal (18.9 L)	12716

# Lime-A-Way

## CLASSIFICATION

Multipurpose Lime Scale Remover

## PRODUCT DESCRIPTION

Deliming plays a critical role in dishmachine maintenance. Ecolab offers a full line of Lime-A-Way® products to effectively delime dishmachines and surrounding stainless steel.

## USE

### FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

**DELIMING DISHMACHINES** - Fill tank to 2 to 3 inches below overflow. Turn on tank heaters. Add entire contents of container of *Lime-A-Way* and run machine until lime scale disappears. Apply full strength where spray does not reach. Scrape off heavy lime build-up. Drain tank. Refill with potable water. Run machine 5 minutes and drain. Delime as necessary to prevent reoccurrence of lime scale.

**DELIMING STEAM TABLES** - Brush or spray *Lime-A-Way* full strength on interior surfaces. Let stand 10 minutes, then fill with water. Turn on heat and bring to operating temperature. Let stand 10 minutes. Brush or scrape off remaining deposits. Drain and flush thoroughly with potable water.

**DESCALING COFFEE URNS** - Fill urn jacket with hot water. Add 1 U.S. fl. oz. *Lime-A-Way* per U.S. gal. (8 ml/L) hot water. Heat and let stand 15 minutes. Drain and rinse thoroughly with potable water.

**CLEANING ALUMINUM EQUIPMENT** - Soak utensils in solution of 3 U.S. fl. oz. *Lime-A-Way* per U.S. gal. (23 ml/L) of hot water until bright. Rinse thoroughly with potable water and drain dry. For large items, apply solution with saturated cloth or sponge. Rinse thoroughly with potable water and drain dry. Avoid prolonged contact with aluminum.

**CORRECTIONS** - The recommended use dilution ratio is 5 oz per 10 gallons of water.  
**Consult your Ecolab Specialist for specific use directions.**

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Green. [Dark]
Odor	Odorless
pH	0.1 to 0.2 [Conc. (% w/w): 100]

### Compositional information:

Water	7732-18-5
uronium hydrogen sulphate	21351-39-3
urea	57-13-6

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4-1 U.S. gal/3.78 L	18700

# Oasis 146 Multi-Quat Sanitizer

Page 1 of 3

## CLASSIFICATION

Quat sanitizer

## PRODUCT DESCRIPTION

Disinfectant - Cleaner - Sanitizer - Deodorizer. Institutional and Industrial Use. Institutions - Schools - Restaurants - Food Services

## USE

Please refer to product container label for complete Directions For Use.

It is a violation of Federal law to use this product in manner inconsistent with its labeling.

Apply *Oasis 146 Multi-Quat Sanitizer* with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray. Fresh solution must be prepared daily or when use solution becomes visibly dirty.

### To Sanitize Food Contact Surfaces, Food Processing Equipment and Other Hard Surfaces in (Food Processing Locations, Dairies, or Restaurants):

Use *Oasis 146 Multi-Quat Sanitizer* to sanitize pre-cleaned hard non-porous surfaces of food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage areas and display equipment and other hard non-porous surfaces in federally inspected meat and poultry plants or restaurants. Prior to application, remove gross food particles and soil by a pre-flush, pre-scrape or when necessary, a pre-soak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner followed by a potable water rinse before application of the sanitizing solution. Apply a use-solution of 1 fl. oz. to 2.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* per 4 gallons of 400 ppm hard water (150 - 400 ppm active quat) or 1.25 fl. oz. to 2.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* per 4 gallons of 500 ppm hard water (200 - 400 ppm active quat). Expose all surfaces to the sanitizing solution for a period of not less than 1 minute. Allow equipment to drain thoroughly and air dry. In dairy processing facilities and restaurants in Wisconsin, clean equipment with a good detergent and follow with a potable water rinse, then rinse equipment with a sanitizing solution of 1.25 fl. oz. to 2.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* per 4 gallons of 500 ppm hard water (200 - 400 ppm active quat).

### Restaurant and Bar Rinse - Sanitizing Eating and Drinking Utensils

1. Scrape and pre-flush utensils to remove excess soil.
2. Wash with good detergent or compatible cleaner (see your Ecolab representative for a recommendation).
3. Rinse with potable water.
4. Sanitize in a solution of 0.25 fl. oz. - 0.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* to 1 gallon of 400 ppm water (150 - 400 ppm active quat). In Wisconsin sanitize in a solution of 0.32 fl. oz. - 0.67 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* to 1 gallon of 500 ppm water (200 - 400 ppm active quat). Immerse all utensils for at least 1 minute. Use 2 minutes exposure time if required by governing sanitary code.
5. Drain and air dry.

**NOTE:** A clean potable water rinse following sanitization is not permitted under Section HFS 196.13 of the Wisconsin Administrative Code.

### Sanitizing - Non-Porous Gloved Hands:

To prevent cross contamination into animal areas and the packaging and storage areas of food plants, dip, soak or spray pre-washed (plastic, latex or other synthetic rubber) gloved hands sanitizing solution to cover the gloved area. For sprayer applications, use a coarse spray device and spray the glove surfaces until thoroughly wetted. Do not breathe spray. Do not let sanitizing solution come in contact with exposed skin. Make up the sanitizing solution by adding 1 to 2.67 fl. oz. of product per 4 gallons of water (or equivalent use dilution) (150-400 ppm active quat). Dip, soak or spray in solution and allow gloved hands to remain wet for at least 60 seconds. Allow to air dry. No potable water rinse is allowed. Change the sanitizing solution at least daily or when solution appears dirty.

### NOTE:

**FOR MECHANICAL OPERATIONS:** A prepared use solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning.

**FOR MANUAL OPERATIONS:** Prepare a fresh sanitizing solution as soon as it becomes diluted or soiled.

### GENERAL VIRUCIDAL\*/FUNGICIDAL DISINFECTION:

At 1.0 fl. oz. per 1 gallon of water, this product is an effective general disinfectant that can be used to disinfect floors, walls, finished woodwork, sink tops, garbage pails, telephones, rest rooms, bathroom fixtures, and other hard, nonporous surfaces. For heavily soiled areas, a pre-cleaning step is required. Apply disinfecting solution to surface by flushing, mopping, sponging or hand pump spraying so as to thoroughly wet surface. Allow surface to remain wet for 10 minutes. Remove solution with a clean mop, cloth, or wet vacuum pickup or allow to air dry. Prepare fresh solution at least daily or when use becomes visibly dirty. Any food contact surfaces that have been disinfected must be thoroughly rinsed with potable water. Do not use this product as a disinfectant on glasses, dishes or utensils. Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

### Non-Acid Toilet Bowl Disinfectant / Cleaner Directions:

Remove gross filth prior to disinfection.

**From Concentrate:** Add ½ fl. oz. to the bowl and mix. Brush over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

**From Use Solution:** Empty toilet bowl or urinal and apply 1 fl. oz. per gallon use-solution to exposed surfaces and under the rim with a cloth, mop, sponge or mechanical spray. Brush or swab thoroughly. Let stand for 10 minutes and flush.

**For Heavy Duty Use:** Empty toilet bowl or urinal and apply 4 fl. oz. per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly. Let stand for 10 minutes and flush.

**Deodorizing Directions:**

This product deodorizes garbage storage areas, garbage bins, toilet bowls and any other hard non-porous surfaces in odor causing areas. Mix ½ fl. oz. per gallon of water and apply solution to surfaces. Thoroughly wet surfaces, allow to air dry.

**Cleaning and Disinfection:** For general cleaning and disinfection, use 4.0 fl. oz. per 4 gallons of water. Apply use solution with a cloth, mop, sponge, sprayer or by immersion to thoroughly wet the surfaces. Treated surfaces must remain wet for 10 minutes. Wipe or allow to air dry. For heavily soiled surfaces, pre-clean first. Prepare a fresh solution for each use or more often if solution becomes visibly diluted, clouded or soiled.

**For Heavy Duty Cleaning:** When greater cleaning is desired, use 7 fl. oz. of Multi-Quat per 4½ gallons water. Heavily soiled areas may require repeated cleaning.

**Non-Food Contact Surface Sanitizing:**

Add 0.34 fl. oz. of *Oasis 146 Multi-Quat Sanitizer* per 1 gallon of water (200 ppm active quat) to sanitize hard, nonporous non-food contact surfaces. Apply sanitizer use-solution with a cloth, mop, sponge, sprayer or by immersion. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 60 seconds. Wipe dry with a sponge, mop, or cloth or allow to air dry. *Oasis 146 Multi-Quat Sanitizer* can be used to sanitize hard, non-porous food contact surfaces such as tables, counters, utensils and food processing equipment. *Oasis 146 Multi-Quat Sanitizer* is an effective sanitizer against *Escherichia coli* and *Staphylococcus aureus* on food contact surfaces when used at 0.25 fl. oz. - 0.67 fl. oz. per 1 gallon of 400 ppm hard water (150 ppm to 400 ppm active quat). *Oasis 146 Multi-Quat Sanitizer* is an effective sanitizer against *Escherichia coli*, *Staphylococcus aureus*, *Campylobacter jejuni*, *Escherichia coli* O157:H7, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Salmonella enterica*, *Shigella sonnei*, *Yersinia enterocolitica* and *Enterobacter sakazakii* on food contact surfaces when used at 0.32 fl. oz. - 0.67 fl. oz. per 1 gallon of 500 ppm hard water (200 ppm to 400 ppm active quat).

**DO NOT MIX WITH ANYTHING BUT WATER**

For service or additional information, call 1-800-35-CLEAN (352-5326).

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Red
Odor	Disinfectant
pH	7.7 [Conc. (% w/w): 100%] Dilu

**Active Ingredients:**

Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) Dimethyl benzyl ammonium chloride	3.00%
Octyl decyl dimethyl ammonium chloride	2.25%
Didecyl dimethyl ammonium chloride	1.35%
Diocetyl dimethyl ammonium chloride	0.90%
OTHER INGREDIENTS	92.50%
Total	100.00%

**REGULATORY**

EPA Registration Number: 1677-198

**MICROBIOLOGY**

**Oasis 146 Multi-Quat Sanitizer is proven effective against:**

When used at 0.25 fl. oz - 0.67 fl. oz. per 1 gallon of 400 ppm hard water (150 ppm to 400 ppm active quat), *Oasis 146 Multi-Quat Sanitizer* is an effective sanitizer against:

- Escherichia coli*
- Staphylococcus aureus*

When used at 0.32 fl. oz.- 0.67 fl. oz. per 1 gallon of 500 ppm hard water (200 ppm to 400 ppm active quat), *Oasis 146 Multi-Quat Sanitizer* is an effective sanitizer against:

- Escherichia coli*
- Staphylococcus aureus*
- Campylobacter jejuni*
- Escherichia coli O157:H7*
- Klebsiella pneumoniae*
- Listeria monocytogenes*
- Salmonella enterica*
- Shigella sonnei*
- Yersinia enterocolitica*
- Enterobacter sakazakii*

**PACKAGING / PRODUCT NUMBERS**

Size Available	Product Number
2.5 U.S. gal / 9.46 L	17708
4 – 1 U.S. gal / 3.78 L	17781
15 US gal / 56.8	17718



# Kool Klene

## CLASSIFICATION

No Thaw Freezer Cleaner

## PRODUCT DESCRIPTION

Fast drying formula removes soils quickly and easily, even at -30°F. Cleaning is finished quickly so foods can be replaced immediately.

## USE

**FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE.**

### DO NOT DILUTE PRODUCT

1. Remove all unpackaged food from area before cleaning.
2. Do not dilute. Apply product directly to floors, walls, and shelving by mop, sponge, or sprayer.
3. Allow to soak for 10-20 minutes, depending on the amount of soil and ice present. (heavier soil or ice deposits may require longer soaking for complete removal).
4. Wipe area with mop or sponge to loosen and remove soil. A scraper or abrasive pad may be necessary to loosen heavier built-up deposits.
5. Dry mop or squeegee area to remove excess liquid.
6. Wipe area, if necessary, with clean, dry cloth and remove any remaining residue and aid drying.

**Consult your Ecolab Specialist for specific use directions.**

**For service or additional information, call 1-800-35-CLEAN (352-5326)**

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid]
Color	Green. [Light]
Odor	Alcohol-like
pH	10.6 to 11.8 [Conc. (% w/w): 10]

### Compositional information:

Water	7732-18-5
Glycerin	56-81-5
Isopropyl Alcohol	67-63-0
Monoethanolamine	141-43-5
Alcohol Ethoxylate	34398-01-1

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
<input type="checkbox"/> U.S. gal/3.78 L	15461

# Greasestrip Plus

## CLASSIFICATION

High Performance Clinging Gel Degreaser

## PRODUCT DESCRIPTION

Patented clinging gel formula provides 100% vertical surface contact, coating greasy buildup and cleaning it away.

## USE

**WEAR RUBBER GLOVES AND LONG-SLEEVED GARMENTS WHEN USING THIS PRODUCT.**

1. Spray *Greasesstrip Plus* onto warm 49° - 54°C (120° - 130°F) surface to be cleaned. Cover soiled areas completely with foam.
2. Let *Greasesstrip Plus* penetrate grease deposits for 5 - 10 minutes. Do not let product dry on surface.
3. When used at room temperature, let *Greasesstrip Plus* penetrate grease deposits for at least 10 minutes.
4. Wipe off dissolved and loosened grease with a damp cloth.
5. Rinse with clear water.

**Consult your Ecolab Specialist for specific use directions.**

**For service or additional information, call 1-800-35-CLEAN (352-5326)**

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Orange. [Dark]
Odor	Odorless
pH	13.5 [Conc. (% w/w): 100%]

### Compositional information:

Water	7732-18-5
Sodium Hydroxide	1310-73-2
Sodium Gluconate	527-07-1

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
6 - 32 U.S. fl oz/946 ml	29777
4 - 1 U.S. gal/3.78 L	19505

# Oasis 115 XP

## CLASSIFICATION

Extra Strength Floor Cleaner Concentrate

## PRODUCT DESCRIPTION

Extra strength alkaline floor cleaner for daily cleaning and degreasing of quarry tile or other floors without finishes or waxes. Formulated to remove fats, oils, and grease

## USE

**FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE**

### DIRECTIONS FOR USE

Product must be diluted prior to use.

For daily cleaning use 2 US fl oz/gal or 16 ml/l in water.

1. Fill mop bucket with solution using the Oasis Dispenser.
2. Apply cleaning solution with a mop.
3. Leave on floor until solution penetrates soils.
4. Brush floor with a stiff bristled brush.
5. Squeegee solution to floor drain.
6. No rinse necessary.

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid. [Liquid.]
Color	Green. [Dark]
Odor	Fragrance-like
pH	11.25 to 12.25 (100%)

### Ingredients:

Water	7732-18-5
Cocamine Oxide	61788-90-7
Lauryl Glucoside	110615-47-9
Ethanolamine	141-43-5

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
9.46 L (2.5 US GAL)	10625

# Pathways Drain Treatment

## CLASSIFICATION

Grease Trap Grease Digestant

## PRODUCT DESCRIPTION

Pathways Grease Digestant contains special nonpathogenic bacteria that multiply and gobble up the grease, fat and food particles that clog drains, pipes and grease traps. The result is free flowing sinks and floor drains and fewer visits from the plumber!

## USE

### FOR INDUSTRIAL USE ONLY

1. Remove closure from container and discard.
2. Attach product pick-up tube from dispenser to container.
3. Tighten closure attached to the product pick-up tube onto the container.

NOTE: Replace dispenser batteries, if necessary

Consult your Ecolab Specialist for specific use directions.

For service or additional information, call 1-800-35-CLEAN (352-5326)

## PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid.]
Color	Green. [Light]
Odor	Citrus
pH	7.5 [Conc. (% w/w): 100%]

### Compositional information:

Water	7732-18-8
Propylene Glycol	57-55-6
Viable Bacterial Cultures	NA

% P                      Formula ingredients contain no Phosphorus

## PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2.5 U.S. gal/9.46 L	29810

RINSE DRY

## Section 1. Chemical product and company identification

**Product name** : RINSE DRY  
**Recommended use and restrictions** : Rinse additive  
 Use only for the purpose on the product label.

**Product dilution information** : 0.75mL/rack

**Supplier's Information** : Ecolab Inc. Institutional Division  
 370 N. Wabasha Street  
 St. Paul, MN 55102  
 1-800-352-5326

**Code** : 913590

**Date of Issue** : 29 Aug 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

## Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
 : SERIOUS EYE DAMAGE/ EYE IRRITATION -  
 Category 2B

**GHS label elements**

**Signal word** : Warning

**Hazard statements** : Causes eye irritation.

**Precautionary statements**

**Prevention** : Wash hands thoroughly after handling.

**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

**Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

No other specific measures identified.

See section 13 for waste disposal information.

None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product AS SOLD**

Hazardous ingredients	Concentration Range (%)	CAS number
oxirane, methyl-, polymer with oxirane	1 - 5	9003-11-6
alcohols, c10-16, ethoxylated	1 - 5	68002-97-1

### Section 3. Composition/information on ingredients

#### Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

### Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
<b>Notes to physician</b>	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

### Section 5. Fire-fighting measures

#### Product AS SOLD

<b>Suitable fire extinguishing media</b>	: Use water spray, fog or foam.
<b>Specific hazards arising from the chemical</b>	: In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Specific fire-fighting methods</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## Section 7. Handling and storage

**Product AS SOLD**

**Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Keep container tightly closed.

Store between the following temperatures: 0 and 50°C

**Product AT USE DILUTION**

Wash thoroughly after handling.

Keep out of reach of children.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
None.	

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eye protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Hand protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Skin protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

**Product AS SOLD**

**Physical state** : Liquid.

**Color** : Green [Light]

**Odor** : Faint odor

**pH** : 2.701 (100%)

**Flash point** : > 100°C

**Explosion limits** : Not available.

**Flammability (solid, gas)** : Not available.

**Melting point** : Not available.

**Boiling point** : Not available.

**Evaporation rate (butyl acetate = 1)** : Not available.

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : 1.0153 (Water = 1)

**Solubility** : Not available.

**Product AT USE DILUTION**

Liquid.

Clear

Odorless

8.5

> 100°C

## Section 9. Physical and chemical properties

Partition coefficient: : Not available.  
 n-octanol/water  
 Auto-ignition temperature : Not available.  
 Decomposition temperature : Not available.  
 Odor threshold : Not available.  
 Viscosity : Not available.

## Section 10. Stability and reactivity

Product AS SOLD

Stability : The product is stable.  
 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.  
 Conditions to avoid : No specific data.  
 Materials to avoid : Not available.  
 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

### Symptoms

Eye contact : Adverse symptoms may include the following:  
 irritation  
 watering  
 redness  
 Skin contact : No specific data.  
 Inhalation : No specific data.  
 Ingestion : No specific data.

### Acute toxicity

Eye contact : Causes eye irritation.  
 Skin contact : No known significant effects or critical hazards.  
 Inhalation : No known significant effects or critical hazards.  
 Ingestion : No known significant effects or critical hazards.

### Product AT USE DILUTION

No specific data.  
 No specific data.  
 No specific data.  
 No specific data.  
 No known significant effects or critical hazards.  
 No known significant effects or critical hazards.  
 No known significant effects or critical hazards.  
 No known significant effects or critical hazards.

### Toxicity data

#### Product/Ingredient name

oxirane, methyl-, polymer with oxirane	LC50 Inhalation Dusts and mists	Rat	0.147 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	>2000 mg/kg
alcohols, c10-16, ethoxylated	LC50 Inhalation Dusts and mists	Rat	>50 mg/l
	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	>1000 mg/kg

### Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.



## Section 11. Toxicological information

**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is toxic to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
oxirane, methyl-, polymer with oxirane	Acute LC50 >100 mg/l	Fish	96 hours
alcohols, c10-16, ethoxylated	Acute EC50 >0.1 mg/l	Daphnia	48 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : Diluted product can be flushed to sanitary sewer.  
Discard empty container in trash.

### Product AS SOLD

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

**DOT Classification** : Not regulated.

### IMO/IMDG

**IMO/IMDG Classification** : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

### Product AS SOLD

#### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No listed substance

**SARA 302/304 emergency planning and notification**: No listed substance

#### SARA 313

#### Product name

#### CAS number

#### Concentration

**Form R - Reporting requirements** : No listed substance

**California Prop. 65** : No listed substance

**Section 16. Other information**

**Product AS SOLD**

**Hazardous Material Information System (U.S.A.) :**

Health	1
Flammability	0
Physical hazards	0

**National Fire Protection Association (U.S.A.) :**



**Product AT USE DILUTION**

Health	0
Flammability	0
Physical hazards	0



**Date of issue** : 29 Aug 2013  
**Prepared by** : Regulatory Affairs  
 1-800-352-5326

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : SOLITAIRE

Other means of identification : Not applicable

Recommended use : Manual Warewashing Detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.03 % - 0.08 %

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 12/23/2014

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**
**Product AS SOLD**

Skin irritation : Category 2  
Serious eye damage : Category 1

**Product AT USE DILUTION**

Not a hazardous substance or mixture.

**GHS Label element**
**Product AS SOLD**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Causes skin irritation.  
Causes serious eye damage.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Wear eye protection/ face protection. Wear protective gloves.  
**Response:**  
IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

**Product AT USE DILUTION**

Precautionary Statements : **Prevention:**

# SAFETY DATA SHEET

## SOLITAIRE

Wash hands thoroughly after handling.

**Response:**

Get medical advice/ attention if you feel unwell.

**Storage:**

Store in accordance with local regulations.

**Other hazards** : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product AS SOLD**

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
sodium dodecylbenzene sulfonate	25155-30-0	30 - 60
Polyethylene Glycol	25322-68-3	10 - 30
dodecanamide, n-(2-hydroxyethyl)-	142-78-9	10 - 30
Ethoxylated alkyl sulfate	68585-34-2	5 - 10
Alkylamineoxides	68155-09-9	5 - 10
ethanol	64-17-5	1 - 5

**Product AT USE DILUTION**

No hazardous ingredients

### SECTION 4. FIRST AID MEASURES

**Product AS SOLD**

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

**Product AT USE DILUTION**

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.

# SAFETY DATA SHEET

## SOLITAIRE

### SECTION 5. FIRE-FIGHTING MEASURES

#### Product AS SOLD

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Product AS SOLD

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

#### Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Do not flush into surface water or sanitary sewer system.

### SECTION 7. HANDLING AND STORAGE

# SAFETY DATA SHEET

## SOLITAIRE

### Product AS SOLD

Advice on safe handling : Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

### Product AT USE DILUTION

Advice on safe handling : Wash hands after handling. For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product AS SOLD

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
Polyethylene Glycol	25322-68-3	TWA (Aerosol.)	10 mg/m <sup>3</sup>	WEEL
ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hand protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

### Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

# SAFETY DATA SHEET

## SOLITAIRE

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: Cast Solid	liquid
Color	: opaque, light pink	colorless
Odor	: citrus	citrus
pH	: 7.0 - 9.0, 1 %	7.0 - 8.0
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: No data available	
Water solubility	: insoluble	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, kinematic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Molecular weight	: No data available	
VOC	: No data available	

### SECTION 10. STABILITY AND REACTIVITY

#### Product AS SOLD

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : None known.

# SAFETY DATA SHEET

## SOLITAIRE

Hazardous decomposition products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Eye contact, Skin contact

#### Potential Health Effects

##### Product AS SOLD

Eyes : Causes serious eye damage.  
Skin : Causes skin irritation.  
Ingestion : Health injuries are not known or expected under normal use.  
Inhalation : Health injuries are not known or expected under normal use.  
Chronic Exposure : Health injuries are not known or expected under normal use.

##### Product AT USE DILUTION

Eyes : Health injuries are not known or expected under normal use.  
Skin : Health injuries are not known or expected under normal use.  
Ingestion : Health injuries are not known or expected under normal use.  
Inhalation : Health injuries are not known or expected under normal use.  
Chronic Exposure : Health injuries are not known or expected under normal use.

#### Experience with human exposure

##### Product AS SOLD

Eye contact : Redness, Pain, Corrosion  
Skin contact : Redness, Irritation  
Ingestion : No symptoms known or expected.  
Inhalation : No symptoms known or expected.

##### Product AT USE DILUTION

Eye contact : No symptoms known or expected.  
Skin contact : No symptoms known or expected.  
Ingestion : No symptoms known or expected.  
Inhalation : No symptoms known or expected.

#### Toxicity

##### Product AS SOLD



# SAFETY DATA SHEET

## SOLITAIRE

Acute oral toxicity	: Acute toxicity estimate 3,358 mg/kg
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available
Germ cell mutagenicity	: No data available
Teratogenicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration toxicity	: No data available

### Ingredients

Acute inhalation toxicity	: ethanol 4 h LC50 Rat: 117 mg/l
---------------------------	-------------------------------------

## SECTION 12. ECOLOGICAL INFORMATION

### Product AS SOLD

#### Ecotoxicity

Environmental Effects	: Toxic to aquatic life.
-----------------------	--------------------------

#### Product

Toxicity to fish	: No data available
Toxicity to daphnia and other aquatic invertebrates	: No data available
Toxicity to algae	: No data available

#### Ingredients

Toxicity to fish	: sodium dodecylbenzene sulfonate 96 h LC50: 3.2 mg/l
	Polyethylene Glycol 96 h LC50 Fish: > 1,000 mg/l
	dodecanamide, n-(2-hydroxyethyl)- 96 h LC50 Fish: > 100 mg/l
	Ethoxylated alkyl sulfate 96 h LC50 Fish: 28 mg/l
	ethanol 96 h LC50 Fish: 11,000 mg/l

#### Persistence and degradability

No data available

# SAFETY DATA SHEET

## SOLITAIRE

### Bioaccumulative potential

No data available

### Mobility In soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Product AS SOLD

#### Disposal methods

⚠ The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

#### Disposal considerations

⚠ Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

### Product AT USE DILUTION

#### Disposal methods

⚠ Diluted product can be flushed to sanitary sewer.

#### Disposal considerations

⚠ Dispose of in accordance with local, state, and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

Not dangerous goods

### Sea transport (IMDG/IMO)

Not dangerous goods

### Product AT USE DILUTION

Not intended for transport

## SECTION 15. REGULATORY INFORMATION

### Product AS SOLD

#### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium dodecylbenzene sulfonate	25155-30-0	1000	3247

# SAFETY DATA SHEET

## SOLITAIRE

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

#### United States TSCA Inventory :

On TSCA Inventory

#### Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL.

#### Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

#### New Zealand. Inventory of Chemical Substances :

On the inventory, or in compliance with the inventory

#### Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

#### Japan. ISHL - Inventory of Chemical Substances (METI) :

not determined

#### Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

#### Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

#### China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

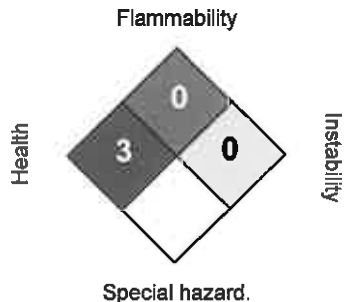
## SECTION 16. OTHER INFORMATION

**Product AS SOLD**

# SAFETY DATA SHEET

## SOLITAIRE

### NFPA:



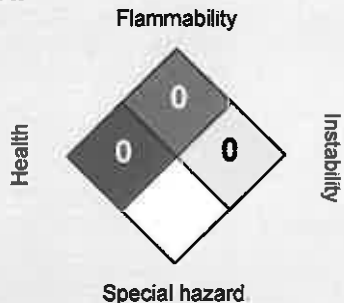
### HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### Product AT USE DILUTION

#### NFPA:



#### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date 12/23/2014  
Version 1.0  
Prepared by Regulatory Affairs

**REVISED INFORMATION:** Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

## SILVER POWER

### Section 1. Chemical product and company identification

**Product name** : SILVER POWER  
**Recommended use and restrictions** : Presoak  
 Use only for the purpose on the product label.

**Product dilution information** : Up to 0.6 oz/gal or 4.7 mL/L in water

**Supplier's information** : Ecolab Inc. Institutional Division  
 370 N. Wabasha Street  
 St. Paul, MN 55102  
 1-800-352-5326

**Code** : 961870

**Date of Issue** : 06 Sep 2013

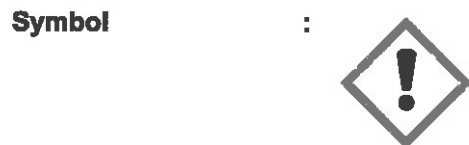
EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

### Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
 : SKIN CORROSION/IRRITATION - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION -  
 Category 2A

**GHS label elements**

**Signal word** : Warning



**Hazard statements** : Causes serious eye irritation.  
 Causes skin irritation.

**Precautionary statements**

**Prevention** : Wash thoroughly after handling.

**Response** : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

**Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

No other specific measures identified.

See section 13 for waste disposal information.

None known.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

#### Product AS SOLD

Hazardous Ingredients	Concentration Range (%)	CAS number
SODIUM HYDROXIDE	1	1310-73-2
SODIUM CARBONATE	>50	497-19-8
alcohols, c12-16, ethoxylated	1 - 5	68551-12-2
sodium isononanoate	1 - 5	84501-72-4
TRISODIUM HEDTA	1 - 5	139-89-9

#### Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

### Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: Take off contaminated clothing. Wash with plenty of soap and water. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
<b>Notes to physician</b>	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	

See toxicological information (section 11)

### Section 5. Fire-fighting measures

#### Product AS SOLD

<b>Suitable fire extinguishing media</b>	: Use water spray, fog or foam.
<b>Specific hazards arising from the chemical</b>	: No specific fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
<b>Specific fire-fighting methods</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Collect spillage. Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## Section 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.	Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Keep container tightly closed.  Store between the following temperatures: 0 and 40°C	Keep out of reach of children.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
SODIUM HYDROXIDE	ACGIH TLV (United States, 3/2012). C: 2 mg/m <sup>3</sup> OSHA PEL (United States, 6/2010). TWA: 2 mg/m <sup>3</sup> 8 hours. NIOSH REL (United States, 6/2009). CEIL: 2 mg/m <sup>3</sup>

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eye protection</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Hand protection</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Skin protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

	Product AS SOLD
<b>Physical state</b>	: Cast Solid
<b>Color</b>	: Blue [Dark]
<b>Odor</b>	: citrus
<b>pH</b>	: 10.5 (1%)
<b>Flash point</b>	: > 100°C Product does not support combustion.
<b>Explosion limits</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available.
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 1.3 (Water = 1)
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Not available.

### Product AT USE DILUTION

Liquid.  
Blue [Light]  
citrus  
10.5 to 11.5  
> 100°C

## Section 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Slightly reactive or incompatible with the following materials: acids.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Ingestion

### Product AS SOLD

#### Symptoms

<b>Eye contact</b>	: Adverse symptoms may include the following: pain or irritation watering redness
<b>Skin contact</b>	: Adverse symptoms may include the following: irritation redness

### Product AT USE DILUTION

No specific data.

No specific data.



## Section 11. Toxicological information

<b>Inhalation</b>	: No specific data.	No specific data.
<b>Ingestion</b>	: No specific data.	No specific data.
<b>Acute toxicity</b>		
<b>Eye contact</b>	: Causes serious eye irritation.	No known significant effects or critical hazards.
<b>Skin contact</b>	: Causes skin irritation.	No known significant effects or critical hazards.
<b>Inhalation</b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.

### Toxicity data

#### Product/ingredient name

sodium carbonate	LC50 Inhalation Dusts and mists	Rat	1.15 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	2800 mg/kg
alcohols, c12-16, ethoxylated	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	1100 mg/kg
sodium isononanoate	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	1160 mg/kg
glycine, n-[2-[bis(carboxymethyl)amino]ethyl]-n-(2-hydroxyethyl)-, trisodium salt	LD50 Oral	Rat	10000 mg/kg

### Chronic toxicity

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is harmful to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
sodium carbonate	Acute EC50 200 mg/l	Daphnia	48 hours
alcohols, c12-16, ethoxylated	Acute LC50 1.5 mg/l	Fish	96 hours
sodium isononanoate	Acute LC50 160 mg/l	Fish	96 hours
glycine, n-[2-[bis(carboxymethyl)amino]ethyl]-n-(2-hydroxyethyl)-, trisodium salt	Chronic EC50 >500 mg/l	Daphnia	48 hours
sodium hydroxide	Acute EC50 40 mg/l	Daphnia	48 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : Diluted product can be flushed to sanitary sewer.  
Discard empty container in trash.

**Product AT USE DILUTION**  
Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**DOT**

DOT Classification : Not regulated.

**IMO/IMDG**

IMO/IMDG Classification : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

**Product AT USE DILUTION**

Not intended for transport.

## Section 15. Regulatory information

**Product AS SOLD**

**U.S. Federal regulations**

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

**SARA 313** : Product name : CAS number : Concentration

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

## Section 16. Other information

**Product AS SOLD**

Hazardous Material Information System (U.S.A.) :

Health	*	2
Flammability		0
Physical hazards		0

National Fire Protection Association (U.S.A.) :



Date of issue : 06 Sep 2013  
 Prepared by : Regulatory Affairs  
 1-800-352-5326

**Notice to reader**

**Product AT USE DILUTION**

Health		0
Flammability		0
Physical hazards		0



## Section 16. Other information

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

JET DRY

## Section 1. Chemical product and company identification

**Product name** : JET DRY  
**Recommended use and restrictions** : Rinse additive  
 Use only for the purpose on the product label.

**Product dilution information** : Up to 5.6 oz/100 gal in water

**Supplier's information** : Ecolab Inc. Institutional Division  
 370 N. Wabasha Street  
 St. Paul, MN 55102  
 1-800-352-5326

**Code** : 914598-01

**Date of issue** : 22 Oct 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

## Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
 : SERIOUS EYE DAMAGE/ EYE IRRITATION -  
 Category 2B

### GHS label elements

**Signal word** : Warning

**Hazard statements** : Causes eye irritation.

### Precautionary statements

**Prevention** : Wash hands thoroughly after handling.

**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

### **Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

No other specific measures identified.

See section 13 for waste disposal information.

None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### **Product AS SOLD**

Hazardous ingredients	Concentration Range (%)	CAS number
oxirane, methyl-, polymer with oxirane	1 - 5	9003-11-6
alcohols, c10-16, ethoxylated	1 - 5	68002-97-1

### Section 3. Composition/information on ingredients

#### Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

### Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
<b>Notes to physician</b>	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

### Section 5. Fire-fighting measures

#### Product AS SOLD

<b>Suitable fire extinguishing media</b>	: Use water spray, fog or foam.
<b>Specific hazards arising from the chemical</b>	: In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Specific fire-fighting methods</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## Section 7. Handling and storage

**Product AS SOLD**

**Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Keep container tightly closed.

Store between the following temperatures: 0 and 50°C

**Product AT USE DILUTION**

Wash thoroughly after handling.

Keep out of reach of children.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
None.	

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eye protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Hand protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Skin protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

**Product AS SOLD**

**Physical state** : Liquid.

**Color** : Green [Dark]

**Odor** : Odorless

**pH** : 2.61 (100%)

**Flash point** : > 100°C

Product does not support combustion.

**Explosion limits** : Not available.

**Flammability (solid, gas)** : Not available.

**Melting point** : Not available.

**Boiling point** : Not available.

**Evaporation rate (butyl acetate = 1)** : Not available.

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : 1.01 (Water = 1)

**Product AT USE DILUTION**

Liquid.

Clear

Odorless

7 to 8

> 100°C

## Section 9. Physical and chemical properties

<b>Solubility</b>	: Not available.
<b>Partition coefficient:</b> n-octanol/water	: Not available.
<b>Auto-Ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Kinematic (room temperature): 0 cm <sup>2</sup> /s (0 cSt)

## Section 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Not available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Inhalation, Ingestion

### Product AS SOLD

#### Symptoms

<b>Eye contact</b>	: Adverse symptoms may include the following: irritation watering redness
<b>Skin contact</b>	: No specific data.
<b>Inhalation</b>	: No specific data.
<b>Ingestion</b>	: No specific data.
<b>Acute toxicity</b>	
<b>Eye contact</b>	: Causes eye irritation.
<b>Skin contact</b>	: No known significant effects or critical hazards.
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.

### Product AT USE DILUTION

No specific data.

No specific data.

No specific data.

No specific data.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

#### Toxicity data

##### Product/Ingredient name

oxirane, methyl-, polymer with oxirane	LC50 Inhalation Dusts and mists	Rat	0.147 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	>2000 mg/kg
alcohols, c10-16, ethoxylated	LC50 Inhalation Dusts and mists	Rat	>50 mg/l
	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	>1000 mg/kg

#### Chronic toxicity

## Section 11. Toxicological information

**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is toxic to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
oxirane, methyl-, polymer with oxirane	Acute LC50 >100 mg/l	Fish	96 hours
alcohols, c10-16, ethoxylated	Acute EC50 >0.1 mg/l	Daphnia	48 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### Product AS SOLD

**Disposal methods** : Diluted product can be flushed to sanitary sewer.  
Discard empty container in trash.

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

**DOT Classification** : Not regulated.

### IMO/IMDG

**IMO/IMDG Classification** : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

### Product AS SOLD

#### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No listed substance

**SARA 302/304 emergency planning and notification**: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: No listed substance		

**California Prop. 65** : No listed substance



**Section 16. Other information**

**Product AS SOLD**

**Hazardous Material Information System (U.S.A.) :**

Health	1
Flammability	0
Physical hazards	0

**National Fire Protection Association (U.S.A.) :**



**Product AT USE DILUTION**

Health	0
Flammability	0
Physical hazards	0



**Date of issue :** 22 Oct 2013  
**Prepared by :** Regulatory Affairs  
 1-800-352-5326

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : SOLID POWER XL

Other means of identification : Not applicable

Recommended use : Machine Warewashing Detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : UP TO 0.15%

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 04/14/2015

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**
**Product AS SOLD**

Skin corrosion : Category 1A  
Serious eye damage : Category 1

**Product AT USE DILUTION**

Not a hazardous substance or mixture.

**GHS Label element**
**Product AS SOLD**

Hazard pictograms



Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.  
**Response:**  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.  
**Storage:**  
Store locked up.

# SAFETY DATA SHEET

## SOLID POWER XL

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Product AT USE DILUTION****Precautionary Statements****Prevention:**

Wash hands thoroughly after handling.

**Response:**

Get medical advice/ attention if you feel unwell.

**Storage:**

Store in accordance with local regulations.

**Other hazards** : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product AS SOLD**

Pure substance/mixture : Mixture

**Chemical Name**

sodium hydroxide

Polycarboxylates

**CAS-No.**

1310-73-2

52255-49-9

**Concentration (%)**

60 - 100

1 - 5

**Product AT USE DILUTION**

No hazardous ingredients

### SECTION 4. FIRST AID MEASURES

**Product AS SOLD**

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

**Product AT USE DILUTION**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

# SAFETY DATA SHEET

## SOLID POWER XL

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

#### Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

# SAFETY DATA SHEET

## SOLID POWER XL

### SECTION 7. HANDLING AND STORAGE

#### Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : -10 °C to 50 °C

#### Product AT USE DILUTION

Advice on safe handling : Wash hands after handling. For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Product AS SOLD

##### Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m <sup>3</sup>	ACGIH
		Ceiling	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Effective exhaust ventilation system Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hand protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Skin protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Respiratory protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

#### Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

# SAFETY DATA SHEET

## SOLID POWER XL

Eye protection	: No special protective equipment required.
Hand protection	: No special protective equipment required.
Skin protection	: No special protective equipment required.
Respiratory protection	: No personal respiratory protective equipment normally required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: Cast Solid	liquid
Color	: opaque, white	colorless
Odor	: odorless	odorless
pH	: 12.5 - 12.8, 1 %	10.11 - 10.91
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: No data available	
Water solubility	: No data available	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, kinematic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Molecular weight	: No data available	
VOC	: No data available	

## SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD	
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.

# SAFETY DATA SHEET

## SOLID POWER XL

Conditions to avoid	: None known.
Incompatible materials	: Metals Organic materials Acids
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Eye contact, Skin contact

#### Potential Health Effects

##### Product AS SOLD

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Causes digestive tract burns.
Inhalation	: May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

##### Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

#### Experience with human exposure

##### Product AS SOLD

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough

##### Product AT USE DILUTION

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.

# SAFETY DATA SHEET

## SOLID POWER XL

Inhalation : No symptoms known or expected

### Toxicity

#### Product AS SOLD

Acute oral toxicity : Acute toxicity estimate > 5,000 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

#### Ingredients

Acute dermal toxicity : Polycarboxylates  
LD50 Rabbit: > 5,000 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

#### Product AS SOLD

##### Ecotoxicity

Environmental Effects : Harmful to aquatic life.

##### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

##### Ingredients

Toxicity to fish : Polycarboxylates  
96 h LC50 Fish: > 100 mg/l

##### Ingredients

Toxicity to daphnia and other aquatic invertebrates : sodium hydroxide  
48 h EC50: 40 mg/l

##### Persistence and degradability

No data available



# SAFETY DATA SHEET

## SOLID POWER XL

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Product AS SOLD

- Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
- RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

### Product AT USE DILUTION

- Disposal methods : Diluted product can be flushed to sanitary sewer.
- Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

- UN number : 1823
- Description of the goods : Sodium hydroxide, solid
- Class : 8
- Packing group : II
- Environmentally hazardous : no

### Sea transport (IMDG/IMO)

- UN number : 1823
- Description of the goods : SODIUM HYDROXIDE, SOLID
- Class : 8
- Packing group : II
- Marine pollutant : no

### Product AT USE DILUTION

Not intended for transport.

# SAFETY DATA SHEET

**SOLID POWER XL**

## SECTION 15. REGULATORY INFORMATION

**Product AS SOLD**

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium hydroxide	1310-73-2	1000	1551

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

**Switzerland. New notified substances and declared preparations :**  
not determined

**United States TSCA Inventory :**  
On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**  
All components of this product are on the Canadian DSL.

**Australia Inventory of Chemical Substances (AICS) :**  
On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemical Substances :**  
On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory :**  
not determined

**Japan. ISHL - Inventory of Chemical Substances (METI) :**  
not determined

**Korea. Korean Existing Chemicals Inventory (KECI) :**  
not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
On the inventory, or in compliance with the inventory

**China. Inventory of Existing Chemical Substances in China (IECSC) :**  
On the inventory, or in compliance with the inventory

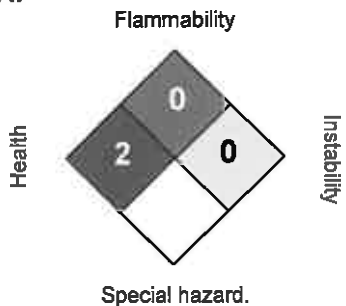
# SAFETY DATA SHEET

## SOLID POWER XL

### SECTION 16. OTHER INFORMATION

#### Product AS SOLD

##### NFPA:



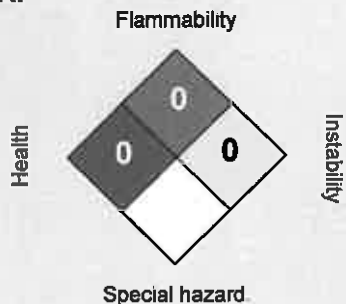
##### HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

#### Product AT USE DILUTION

##### NFPA:



##### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date : 04/14/2015  
Version : 1.1  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ECOTEMP ULTRA KLENE

Other means of identification : Not applicable

Recommended use : Machine Warewashing Detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.08 % - 0.11 %

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 02/12/2015

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**
**Product AS SOLD**

Skin corrosion : Category 1A  
 Serious eye damage : Category 1

**Product AT USE DILUTION**

Not a hazardous substance or mixture

**GHS Label element**
**Product AS SOLD**

Hazard pictograms



Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**  
 Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.  
**Storage:**  
 Store locked up.

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Product AT USE DILUTION**

## Precautionary Statements

**Prevention:**

Wash hands thoroughly after handling.

**Response:**

Get medical advice/ attention if you feel unwell.

**Storage:**

Store in accordance with local regulations.

**Other hazards**

: None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product AS SOLD**

Pure substance/mixture : Mixture

**Chemical Name**  
sodium hydroxide

**CAS-No.**  
1310-73-2

**Concentration (%)**  
10 - 30

**Product AT USE DILUTION**

No hazardous ingredients

### SECTION 4. FIRST AID MEASURES

**Product AS SOLD**

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

**Product AT USE DILUTION**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

If inhaled : Get medical attention if symptoms occur

### SECTION 5. FIRE-FIGHTING MEASURES

#### Product AS SOLD

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides  
Oxides of phosphorus
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Product AS SOLD

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### SECTION 7. HANDLING AND STORAGE

#### Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. SAFETY REMINDER:  
\* Never pour product into unlabeled containers  
\* Use only for recommended uses. Read label.  
\* Never take product home. Use only in workplace.

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

#### Product AT USE DILUTION

Advice on safe handling : Wash hands after handling. For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Product AS SOLD

##### Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m <sup>3</sup>	ACGIH
		Ceiling	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Wear eye protection/ face protection.

Hand protection : Wear the following personal protective equipment:  
Standard glove type.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

and body in case of contact or splash hazard.

### Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: clear, dark red	light pink
Odor	: odorless	odorless
pH	: 13.5, 100 %	10.6 - 11.3
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 1.25	
Water solubility	: soluble	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, kinematic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Molecular weight	: No data available	
VOC	: No data available	



# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

### SECTION 10. STABILITY AND REACTIVITY

#### Product AS SOLD

- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
- Conditions to avoid : None known.
- Incompatible materials : Acids
- Hazardous decomposition products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

#### Product AS SOLD

- Eyes : Causes serious eye damage.
- Skin : Causes severe skin burns.
- Ingestion : Causes digestive tract burns.
- Inhalation : May cause nose, throat, and lung irritation.
- Chronic Exposure : Health injuries are not known or expected under normal use.

#### Product AT USE DILUTION

- Eyes : Health injuries are not known or expected under normal use.
- Skin : Health injuries are not known or expected under normal use.
- Ingestion : Health injuries are not known or expected under normal use.
- Inhalation : Health injuries are not known or expected under normal use.
- Chronic Exposure : Health injuries are not known or expected under normal use.

#### Experience with human exposure

#### Product AS SOLD

- Eye contact : Redness, Pain, Corrosion
- Skin contact : Redness, Pain, Corrosion
- Ingestion : Corrosion, Abdominal pain
- Inhalation : Respiratory irritation, Cough

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

### Product AT USE DILUTION

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

### Toxicity

#### Product AS SOLD

Acute oral toxicity	: No data available
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available
Germ cell mutagenicity	: No data available
Teratogenicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration toxicity	: No data available

## SECTION 12. ECOLOGICAL INFORMATION

### Product AS SOLD

#### Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

#### Product

Toxicity to fish	: No data available
Toxicity to daphnia and other aquatic invertebrates	: No data available
Toxicity to algae	: No data available

#### Ingredients

Toxicity to daphnia and other aquatic invertebrates : sodium hydroxide  
48 h EC50: 40 mg/l

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

### Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

UN number : 1824  
Description of the goods : Sodium hydroxide solution  
Class : 8  
Packing group : II  
Environmentally hazardous : no

### Sea transport (IMDG/IMO)

UN number : 1824  
Description of the goods : SODIUM HYDROXIDE SOLUTION  
Class : 8  
Packing group : II  
Marine pollutant : no

### Product AT USE DILUTION

Not intended for transport.

## SECTION 15. REGULATORY INFORMATION

### Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

### CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium hydroxide	1310-73-2	1000	4364

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### The ingredients of this product are reported in the following inventories:

#### United States TSCA Inventory :

On TSCA Inventory

#### Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL.

#### Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

#### New Zealand. Inventory of Chemical Substances :

On the inventory, or in compliance with the inventory

#### Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

#### Japan. ISHL - Inventory of Chemical Substances (METI) :

On the inventory, or in compliance with the inventory

#### Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

#### Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

#### China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

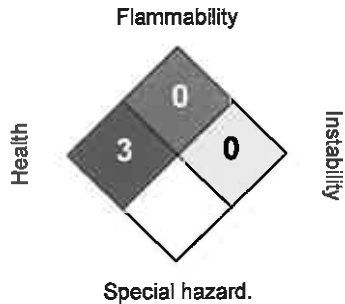
## SECTION 16. OTHER INFORMATION

Product AS SOLD

# SAFETY DATA SHEET

## ECOTEMP ULTRA KLENE

### NFPA:



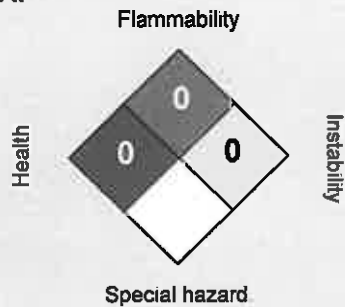
### HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### Product AT USE DILUTION

#### NFPA:



#### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date                   : 02/12/2015  
Version                         : 1.2  
Prepared by                   : Regulatory Affairs

**REVISED INFORMATION:** Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : LIME-A-WAY

Other means of identification : not applicable

Recommended use : Delimer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.8 % - 2.3 %

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 08/06/2014

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

**Product AS SOLD**


Skin corrosion : Category 1A  
Serious eye damage : Category 1

**Product AT USE DILUTION**

Skin corrosion : Category 1A  
Serious eye damage : Category 1

**GHS Label element**

**Product AS SOLD**

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.  
**Storage:**

# SAFETY DATA SHEET

## LIME-A-WAY

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

### Product AT USE DILUTION

Hazard pictograms



Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Precautionary Statements

**Prevention:**

Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

: None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Product AS SOLD

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
---------------	---------	-------------------

uronium hydrogen sulphate	21351-39-3	10 - 30
---------------------------	------------	---------

Urea	57-13-6	1 - 5
------	---------	-------

oxirane, methyl-, polymer with oxirane	9003-11-6	0.1 - 1
--	-----------	---------

### Product AT USE DILUTION

No hazardous ingredients

## SECTION 4. FIRST AID MEASURES

### Product AS SOLD

In case of eye contact

: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

# SAFETY DATA SHEET

## LIME-A-WAY

- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

### Product AT USE DILUTION

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

See toxicological information (Section 11)

## SECTION 5. FIRE-FIGHTING MEASURES

### Product AS SOLD

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Product AS SOLD

- Personal precautions, : Ensure adequate ventilation. Keep people away from and upwind of



# SAFETY DATA SHEET

## LIME-A-WAY

protective equipment and emergency procedures

spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures

⚠ Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## SECTION 7. HANDLING AND STORAGE

### Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage : Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

### Product AT USE DILUTION

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage : Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product AS SOLD

Ingredients with workplace control parameters

# SAFETY DATA SHEET

## LIME-A-WAY

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
Urea	57-13-6	TWA	10 mg/m <sup>3</sup>	WEEL

**Engineering measures**      ☐ Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

**Eye protection**              ☐ Safety goggles  
    ☐ Face-shield

**Hand protection**            ☐ Wear the following personal protective equipment:  
    Standard glove type.  
    Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Skin protection**             ☐ Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

**Respiratory protection**    ☐ When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hygiene measures**           ☐ Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

### Product AT USE DILUTION

**Engineering measures**      ☐ Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

**Eye protection**              ☐ Safety goggles  
    ☐ Face-shield

**Hand protection**            ☐ Wear the following personal protective equipment:  
    Standard glove type.  
    Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Skin protection**             ☐ Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

**Respiratory protection**    ☐ When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	☐ liquid	liquid
Color	☐ clear, dark green	light blue
Odor	☐ odorless	odorless
pH	☐ 0.1 - 0.2, 100 %	0.9 - 1.8

# SAFETY DATA SHEET

## LIME-A-WAY

Flash point	: not applicable
Odor Threshold	: no data available
Melting point/freezing point	: no data available
Initial boiling point and boiling range	: 100 °C
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapor pressure	: no data available
Relative vapor density	: no data available
Relative density	: 1.132 - 1.162
Water solubility	: soluble
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Molecular weight	: no data available
VOC	: no data available

## SECTION 10. STABILITY AND REACTIVITY

### Product AS SOLD

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Bases Metals
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

### Potential Health Effects

# SAFETY DATA SHEET

## LIME-A-WAY

### Product AS SOLD

- Eyes : Causes serious eye damage.
- Skin : Causes severe skin burns.
- Ingestion : Causes digestive tract burns.
- Inhalation : May cause nose, throat, and lung irritation.
- Chronic Exposure : Health injuries are not known or expected under normal use.

### Product AT USE DILUTION

- Eyes : Causes serious eye damage.
- Skin : Causes severe skin burns.
- Ingestion : Causes digestive tract burns.
- Inhalation : May cause nose, throat, and lung irritation.
- Chronic Exposure : Health injuries are not known or expected under normal use.

### Experience with human exposure

#### Product AS SOLD

- Eye contact : Redness, Pain, Corrosion
- Skin contact : Redness, Pain, Corrosion
- Ingestion : Corrosion, Abdominal pain
- Inhalation : Respiratory irritation, Cough

#### Product AT USE DILUTION

- Eye contact : Redness, Pain, Corrosion
- Skin contact : Redness, Pain, Corrosion
- Ingestion : Corrosion, Abdominal pain
- Inhalation : Respiratory irritation, Cough

### Toxicity

#### Product AS SOLD

- Acute oral toxicity : no data available
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- Skin corrosion/irritation : no data available
- Serious eye damage/eye irritation : no data available
- Respiratory or skin sensitization : no data available
- Carcinogenicity : no data available
- Reproductive effects : no data available

# SAFETY DATA SHEET

## LIME-A-WAY

Germ cell mutagenicity ☒ no data available

Teratogenicity ☒ no data available

STOT-single exposure ☒ no data available

STOT-repeated exposure : no data available

Aspiration toxicity : no data available

### Ingredients

Acute oral toxicity : uronium hydrogen sulphate  
LD50 rat > 2,000 mg/kg

Urea  
LD50 rat 8,471 mg/kg

### Ingredients

Acute inhalation toxicity ☒ Urea  
4 h LC50 rat: > 2.71 mg/l

oxirane, methyl-, polymer with oxirane  
4 h LC50 rat: 0.147 mg/l

### Ingredients

Acute dermal toxicity ☒ uronium hydrogen sulphate  
LD50 rabbit > 2,000 mg/kg

Urea  
LD50 rat 8,200 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

### Product AS SOLD

#### Ecotoxicity

Environmental Effects ☒ This product has no known ecotoxicological effects.

#### Product

Toxicity to fish ☒ no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae ☒ no data available

#### Ingredients

Toxicity to fish ☒ uronium hydrogen sulphate  
96 h LC50 Fish: > 6,810 mg/l

Urea  
96 h LC50 Fish: 127.9 mg/l

oxirane, methyl-, polymer with oxirane  
96 h LC50 Fish: > 100 mg/l

#### Persistence and degradability

no data available

#### Bioaccumulative potential

# SAFETY DATA SHEET

## LIME-A-WAY

no data available

### Mobility in soil

no data available

### Other adverse effects

no data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Product AS SOLD

#### Disposal methods

- Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

#### Disposal considerations

- Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste

- D002 (Corrosive)

### Product AT USE DILUTION

#### Disposal methods

- Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

#### Disposal considerations

- Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT)

##### UN number

- 3265

##### Description of the goods

- Corrosive liquid, acidic, organic, n.o.s. (uronium hydrogen sulphate)

##### Class

- 8

##### Packing group

- II

##### Environmentally hazardous

- no

#### Sea transport (IMDG/IMO)

##### UN number

- 3265

##### Description of the goods

- CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (uronium hydrogen sulphate)

##### Class

- 8

##### Packing group

- II

##### Marine pollutant

- no

### Product AT USE DILUTION

# SAFETY DATA SHEET

## LIME-A-WAY

Not intended for transport.

### SECTION 15. REGULATORY INFORMATION

#### Product AS SOLD

#### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

#### The ingredients of this product are reported in the following inventories:

**1907/2006 (EU)** :  
not determined

**United States TSCA Inventory** :  
On TSCA Inventory

**Canadian Domestic Substances List (DSL)** :  
All components of this product are on the Canadian DSL.

**Australia Inventory of Chemical Substances (AICS)** :  
not determined

**New Zealand. Inventory of Chemical Substances** :  
On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory** :  
not determined

**Japan. ISHL - Inventory of Chemical Substances (METI)** :  
not determined

**Korea. Korean Existing Chemicals Inventory (KECI)** :  
not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS)** :  
not determined

**China. Inventory of Existing Chemical Substances in China (IECSC)** :  
not determined

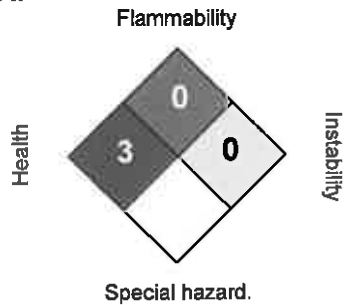
# SAFETY DATA SHEET

## LIME-A-WAY

### SECTION 16. OTHER INFORMATION

#### Product AS SOLD

##### NFPA:



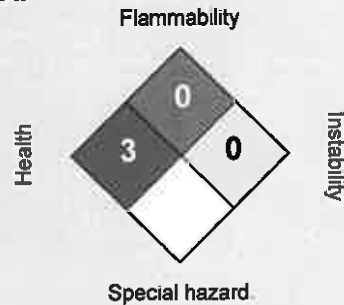
##### HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

#### Product AT USE DILUTION

##### NFPA:



##### HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date                   : 08/06/2014  
Version                        : 1.0  
Prepared by                  : Regulatory Affairs

**REVISED INFORMATION:** Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



# SAFETY DATA SHEET

## OASIS 146 MULTI-QUAT SANITIZER

### Section 1. Chemical product and company identification

**Product name** : OASIS 146 MULTI-QUAT SANITIZER  
**Recommended use and restrictions** : Sanitizer.  
Use only for the purpose on the product label.

**Product dilution information** : Up to 4 oz/gal in water

**Supplier's information** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 910787

**Date of issue** : 06 Aug 2013

**EPA Registration No.** : 1677-198

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

### Section 2. Hazards identification

**Product AS SOLD**  
**GHS Classification** : ACUTE TOXICITY: ORAL - Category 4  
SKIN CORROSION/IRRITATION - Category 1B  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

#### GHS label elements

**Signal word** : Danger

**Symbol** :

**Hazard statements** : Harmful if swallowed.  
Causes severe skin burns and eye damage.

#### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.

**Response** : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes.

**Product AT USE DILUTION**  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

Warning

Causes eye irritation.

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

## Section 2. Hazards identification

	Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.	
<b>Storage</b>	: No other specific measures identified.	No other specific measures identified. See section 13 for waste disposal information. None known.
<b>Disposal</b>	: See section 13 for waste disposal information.	
<b>Other hazards</b>	: None known.	

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product AS SOLD**

Hazardous ingredients	Concentration Range (%)	CAS number
Alkyl (C14, 50%; C12, 40%; C16, 10%)	3	68424-85-1
Dimethyl benzyl ammonium chloride		
Octyl decyl dimethyl ammonium chloride	2.25	32426-11-2
Didecyl dimethyl ammonium chloride	1.35	7173-51-5
Diocetyl dimethyl ammonium chloride	0.9	5538-94-3
ALCOHOL	1 - 5	64-17-5

### Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

## Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
<b>Skin contact</b>	: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention immediately. Rinse mouth. Do not induce vomiting.	Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
<b>Notes to physician</b>	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
<b>See toxicological information (section 11)</b>		

## Section 5. Fire-fighting measures

### Product AS SOLD

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
halogenated compounds
- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## Section 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Keep container tightly closed.  Store between the following temperatures: 0 and 50°C	Keep out of reach of children. Keep container tightly closed.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
ALCOHOL	<b>ACGIH TLV (United States, 3/2012).</b> STEL: 1000 ppm 15 minutes. <b>OSHA PEL (United States, 6/2010).</b> TWA: 1900 mg/m <sup>3</sup> 8 hours. TWA: 1000 ppm 8 hours. <b>NIOSH REL (United States, 6/2009).</b> TWA: 1000 ppm 10 hours. TWA: 1900 mg/m <sup>3</sup> 10 hours.

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eye protection</b>	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	No protective equipment is needed under normal use conditions.
<b>Hand protection</b>	: Use chemical-resistant, impervious gloves.	No protective equipment is needed under normal use conditions.
<b>Skin protection</b>	: Use suitable protective equipment.	No protective equipment is needed under normal use conditions.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Liquid.
<b>Color</b>	: Red	Red [Light]
<b>Odor</b>	: disinfectant	disinfectant
<b>pH</b>	: 7.7 (100%)	8.64 [Conc. (% w/w): 100%]
<b>Flash point</b>	: > 100°C	> 100°C
<b>Explosion limits</b>	: Not available.	
<b>Flammability (solid, gas)</b>	: Not available.	
<b>Melting point</b>	: Not available.	
<b>Boiling point</b>	: 100°C (212°F)	
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.	
<b>Vapor pressure</b>	: Not available.	
<b>Vapor density</b>	: Not available.	

## Section 9. Physical and chemical properties

<b>Relative density</b>	: 0.998 (Water = 1)
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Not available.

## Section 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Not available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Inhalation, ingestion

### Product AS SOLD

#### Symptoms

<b>Eye contact</b>	: Adverse symptoms may include the following: pain watering redness
<b>Skin contact</b>	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Inhalation</b>	: Adverse symptoms may include the following: coughing Respiratory tract irritation
<b>Ingestion</b>	: Adverse symptoms may include the following: stomach pains
<b>Acute toxicity</b>	
<b>Eye contact</b>	: Causes serious eye damage.
<b>Skin contact</b>	: Causes severe burns.
<b>Inhalation</b>	: May cause respiratory irritation.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Product AT USE DILUTION

Adverse symptoms may include the following:  
irritation  
watering  
redness

No specific data.

No specific data.

No specific data.

Causes eye irritation.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

#### Toxicity data

Product/ingredient name

## Section 11. Toxicological information

quaternary ammonium compounds, benzyl- c12-c16-alkyldimethyl, chlorides	LD50 Dermal	Rabbit	3340 mg/kg
	LD50 Oral	Rat	344 mg/kg
1-decanaminium, n,n-dimethyl-n-octyl-, chloride	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	238 mg/kg
ethanol	LC50 Inhalation Vapor	Rat	117 mg/l
	LD50 Dermal	Rabbit	15800 mg/kg
	LD50 Oral	Rat	10470 mg/kg
didecyldimethylammonium chloride	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	1150 mg/kg

### Chronic toxicity

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is toxic to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Not available.			

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : **Product AS SOLD**  
: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

**DOT Classification** : Not regulated.

### IMO/IMDG

**IMO/IMDG Classification** : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

Product AS SOLD

### U.S. Federal regulations

TSCA 8(b) Inventory : All components are listed or exempted.

EPA Registration No. : 1677-198

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: No listed substance		

California Prop. 65 : No listed substance

## Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	* 3
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.) :



Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0



Date of issue : 06 Aug 2013  
 Prepared by : Regulatory Affairs  
 1-800-352-5326

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

## KOOL KLENE

### Section 1. Chemical product and company identification

**Product name** : KOOL KLENE  
**Recommended use and restrictions** : Cleaning product  
 Use only for the purpose on the product label.

**Product dilution information** : Not applicable

**Supplier's information** : Ecolab Inc. Institutional Division  
 370 N. Wabasha Street  
 St. Paul, MN 55102  
 1-800-352-5326

**Code** : 965806-03  
**Date of issue** : 25 Jul 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

### Section 2. Hazards identification

**Product AS SOLD**

**GHS Classification** : FLAMMABLE LIQUIDS - Category 3  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

**GHS label elements**

**Signal word** : Warning  
**Symbol** :



**Hazard statements** : Flammable liquid and vapor.  
 Causes eye irritation.

**Precautionary statements**

**Prevention** : Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Keep container tightly closed. Wash hands thoroughly after handling.

**Response** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : Store in a well-ventilated place. Keep cool.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

**Product AT USE DILUTION**  
 Product is sold ready to use.



### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

**Product AS SOLD**

Hazardous ingredients	Concentration Range (%)	CAS number
GLYCERIN	20 - 50	56-81-5
ISOPROPYL ALCOHOL	5 - 20	67-63-0
ETHANOLAMINE	1 - 5	141-43-5
poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	1 - 5	34398-01-1

**Product AT USE DILUTION**

Hazardous ingredients	Concentration Range (%)	CAS number
-----------------------	-------------------------	------------

Product is sold ready to use.

### Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.	Product is sold ready to use.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	
<b>Ingestion</b>	: Get medical attention if symptoms occur.	
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
<b>Notes to physician</b>	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	

See toxicological information (section 11)

### Section 5. Fire-fighting measures

**Product AS SOLD**

<b>Suitable fire extinguishing media</b>	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Specific hazards arising from the chemical</b>	: Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
<b>Specific fire-fighting methods</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

<b>Personal precautions</b>	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b> Product is sold ready to use.
	: Eliminate all ignition sources. Use personal protective equipment as required. Do not touch or walk through spilled material.	
	<b>Environmental precautions</b>	
: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.		
<b>Methods for cleaning up</b>	: If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.	

## Section 7. Handling and storage

<b>Handling</b>	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b> Product is sold ready to use.
	: Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Use only with adequate ventilation. Wash thoroughly after handling.	
<b>Storage</b>	: Keep out of reach of children. Keep container tightly closed. Keep container tightly closed and sealed until ready for use. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store in a segregated and approved area.  Store between the following temperatures: 0 and 35°C	

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
GLYCERIN	<b>OSHA PEL (United States, 6/2010).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
ISOPROPYL ALCOHOL	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
	<b>ACGIH TLV (United States, 3/2012).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
ETHANOLAMINE	<b>ACGIH TLV (United States, 3/2012).</b> STEL: 400 ppm 15 minutes.
	TWA: 200 ppm 8 hours.
	<b>OSHA PEL (United States, 6/2010).</b> TWA: 980 mg/m <sup>3</sup> 8 hours.
	TWA: 400 ppm 8 hours.
	<b>NIOSH REL (United States, 6/2009).</b> TWA: 400 ppm 10 hours.
	TWA: 980 mg/m <sup>3</sup> 10 hours.
	STEL: 500 ppm 15 minutes.
	STEL: 1225 mg/m <sup>3</sup> 15 minutes.
	<b>ACGIH TLV (United States, 3/2012).</b> STEL: 15 mg/m <sup>3</sup> 15 minutes.
	STEL: 6 ppm 15 minutes.
	TWA: 7.5 mg/m <sup>3</sup> 8 hours.
	TWA: 3 ppm 8 hours.

## Section 8. Exposure controls/personal protection

**OSHA PEL (United States, 6/2010).**  
 TWA: 6 mg/m<sup>3</sup> 8 hours.  
 TWA: 3 ppm 8 hours.  
**NIOSH REL (United States, 6/2009).**  
 TWA: 3 ppm 10 hours.  
 TWA: 8 mg/m<sup>3</sup> 10 hours.  
 STEL: 6 ppm 15 minutes.  
 STEL: 15 mg/m<sup>3</sup> 15 minutes.

**Product AS SOLD**

**Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

**Product AT USE DILUTION**  
 Product is sold ready to use.

**Personal protection**

- Eye protection** : No protective equipment is needed under normal use conditions.
- Hand protection** : No protective equipment is needed under normal use conditions.
- Skin protection** : No protective equipment is needed under normal use conditions.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

## Section 9. Physical and chemical properties

- Product AS SOLD**
- Physical state** : Liquid.
  - Color** : Green [Light]
  - Odor** : Alcohol-like
  - pH** : 10.6 to 11.8 (100%)
  - Flash point** : 41 °C (Closed cup)
  - Explosion limits** : Not available.
  - Flammability (solid, gas)** : Not available.
  - Melting point** : Not available.
  - Boiling point** : Not available.
  - Evaporation rate (butyl acetate = 1)** : Not available.
  - Vapor pressure** : Not available.
  - Vapor density** : Not available.
  - Relative density** : 1.065 to 1.085 (Water = 1)
  - Solubility** : Easily soluble in the following materials: cold water and hot water.

**Product AT USE DILUTION**  
 Product is sold ready to use.

## Section 9. Physical and chemical properties

Partition coefficient: : Not available.  
n-octanol/water  
Auto-ignition temperature : Not available.  
Decomposition temperature : Not available.  
Odor threshold : Not available.  
Viscosity : Not available.

## Section 10. Stability and reactivity

Product AS SOLD

Stability : The product is stable.  
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.  
Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.  
Materials to avoid : Reactive or incompatible with the following materials: acids.  
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

### Symptoms

Eye contact : Adverse symptoms may include the following:  
irritation  
watering  
redness  
Skin contact : No specific data.  
Inhalation : No specific data.  
Ingestion : No specific data.  
Acute toxicity  
Eye contact : Causes eye irritation.  
Skin contact : No known significant effects or critical hazards.  
Inhalation : No known significant effects or critical hazards.  
Ingestion : No known significant effects or critical hazards.

Product AT USE DILUTION

Product is sold ready to use.

### Toxicity data

Product/Ingredient name

glycerin	LC50 Inhalation Dusts and mists	Rat	>2.75 mg/l
	LD50 Dermal	Rabbit	23000 mg/kg
	LD50 Oral	Rat	18300 mg/kg
propan-2-ol	LC50 Inhalation Vapor	Rat	30 mg/l
	LD50 Dermal	Rabbit	12870 mg/kg
	LD50 Oral	Rat	4710 mg/kg
2-aminoethanol	LD50 Dermal	Rabbit	1025 mg/kg
	LD50 Oral	Rat	1089 mg/kg
poly(oxy-1,2-ethanediyl), .alpha.-undecyl-. omega.-hydroxy-	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	1700 mg/kg

## Section 11. Toxicological information

### Chronic toxicity

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

- Ecotoxicity** : No known significant effects or critical hazards.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
glycerin	Acute LC50 855 mg/l	Fish	96 hours
propan-2-ol	Acute LC50 9640 mg/l	Fish	96 hours
2-aminoethanol	Acute EC50 65 mg/l	Daphnia	48 hours
poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	Acute LC50 3.2 mg/l	Fish	96 hours

- Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### Product AS SOLD

- Disposal methods** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

- RCRA classification** : Unused product is D001 (Ignitable)

### Product AT USE DILUTION

Product is sold ready to use.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

**DOT Classification** : Not regulated.

### IMO/IMDG

**IMO/IMDG Classification** : UN1993  
**IMO/IMDG Proper shipping name** : FLAMMABLE LIQUID, N.O.S. (isopropanol)  
**Class** : 3  
**Packing group** : III

For transport in bulk, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

Product AS SOLD

### U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

**SARA 313** **Product name** **CAS number** **Concentration**

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

## Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	*	1
Flammability		2
Physical hazards		0

National Fire Protection Association (U.S.A.) :



Date of issue : 25 Jul 2013  
 Prepared by : Regulatory Affairs  
 1-800-352-5326

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

## GREASESTRIP PLUS

### Section 1. Chemical product and company identification

**Product name** : GREASESTRIP PLUS  
**Recommended use and restrictions** : Degreaser  
Use only for the purpose on the product label.

**Product dilution information** : Not applicable

**Supplier's information** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 905117

**Date of issue** : 06 May 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

### Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
CORROSIVE TO METALS - Category 1  
SKIN CORROSION/IRRITATION - Category 1  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

#### GHS label elements

**Signal word** : Danger

**Symbol** :

**Hazard statements** : May be corrosive to metals.  
Causes severe skin burns and eye damage.

#### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep only in original container. Wash hands thoroughly after handling.

**Response** : Absorb spillage to prevent material damage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with

#### **Product AT USE DILUTION**

Product is sold ready to use.

## Section 2. Hazards identification

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

- Storage** : Store in corrosive resistant container with a resistant inner liner.
- Disposal** : See section 13 for waste disposal information.
- Other hazards** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
SODIUM HYDROXIDE	7	1310-73-2

### Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
Product is sold ready to use.		

## Section 4. First aid measures

- |                                   | Product AS SOLD   | Product AT USE DILUTION       |
|-----------------------------------|---|-------------------------------|
| <b>Eye contact</b>                | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.   | Product is sold ready to use. |
| <b>Skin contact</b>               | : Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |                               |
| <b>Inhalation</b>                 | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.   |                               |
| <b>Ingestion</b>                  | : Get medical attention immediately. Rinse mouth. Do not induce vomiting.   |                               |
| <b>Protection of first-aiders</b> | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |                               |
| <b>Notes to physician</b>         | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |                               |

See toxicological information (section 11)

## Section 5. Fire-fighting measures

### Product AS SOLD

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** :



## Section 5. Fire-fighting measures

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
metal oxide/oxides

- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

- Personal precautions** : **Product AS SOLD**  
: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid contact of spilled material and runoff with soil and surface waterways.
- Methods for cleaning up** : Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.

### Product AT USE DILUTION

Product is sold ready to use.

## Section 7. Handling and storage

- Handling** : **Product AS SOLD**  
: Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Keep container tightly closed.
- Store between the following temperatures: 0 and 50°C

### Product AT USE DILUTION

Product is sold ready to use.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
SODIUM HYDROXIDE	ACGIH TLV (United States, 3/2012). C: 2 mg/m <sup>3</sup> OSHA PEL (United States, 6/2010). TWA: 2 mg/m <sup>3</sup> 8 hours. NIOSH REL (United States, 6/2009). CEIL: 2 mg/m <sup>3</sup>

## Section 8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Product is sold ready to use.
<b>Personal protection</b>		
<b>Eye protection</b>	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	
<b>Hand protection</b>	: Use chemical-resistant, impervious gloves.	
<b>Skin protection</b>	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Product is sold ready to use.
<b>Color</b>	: Orange [Dark]	
<b>Odor</b>	: Odorless	
<b>pH</b>	: 13.5 (100%)	
<b>Flash point</b>	: > 100°C	
<b>Explosion limits</b>	: Not available.	
<b>Flammability (solid, gas)</b>	: Not available.	
<b>Melting point</b>	: Not available.	
<b>Boiling point</b>	: Not available.	
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.	
<b>Vapor pressure</b>	: Not available.	
<b>Vapor density</b>	: Not available.	
<b>Relative density</b>	: 1.08 (Water = 1)	
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.	
<b>Partition coefficient: n-octanol/water</b>	: Not available.	
<b>Auto-ignition temperature</b>	: Not available.	
<b>Decomposition temperature</b>	: Not available.	
<b>Odor threshold</b>	: Not available.	
<b>Viscosity</b>	: Not available.	

## Section 10. Stability and reactivity

### Product AS SOLD

- Stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Extremely reactive or incompatible with the following materials: acids.  
Reactive or incompatible with the following materials: metals.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Inhalation, Ingestion

### Product AS SOLD

#### Symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Inhalation** : Adverse symptoms may include the following:  
coughing  
Respiratory tract irritation
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

#### Acute toxicity

- Eye contact** : Causes serious eye damage.
- Skin contact** : Causes severe burns.
- Inhalation** : May cause respiratory irritation.
- Ingestion** : May cause burns to mouth, throat and stomach.

#### Toxicity data

**Product/Ingredient name**

Not applicable.

#### Chronic toxicity

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Product AT USE DILUTION

Product is sold ready to use.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is harmful to aquatic life.

#### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
sodium hydroxide	Acute EC50 40 mg/l	Daphnia	48 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Product AS SOLD**

**Disposal methods** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA classification** : Unused product is D002 (Corrosive)

**Product AT USE DILUTION**  
Product is sold ready to use.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

**DOT Classification** UN1824

**DOT Proper shipping name** Sodium hydroxide solution

**Class** 8

**Packing group** II

### IMO/IMDG

**IMO/IMDG Classification** UN1824

**IMO/IMDG Proper shipping name** SODIUM HYDROXIDE SOLUTION

**Class** 8

**Packing group** II

For transport in bulk, see shipping documents for specific transportation information.

### **Product AT USE DILUTION**

Not intended for transport.

## Section 15. Regulatory information

### **Product AS SOLD**

#### U.S. Federal regulations

**TSCA 8(b) Inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances:** No listed substance

**SARA 302/304 emergency planning and notification:** No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
<b>Form R - Reporting requirements</b>	: No listed substance		

**California Prop. 65** : No listed substance

## Section 16. Other information

### **Product AS SOLD**

**Hazardous Material Information System (U.S.A.)** :

Health	*	3
Flammability		0
Physical hazards		0

**Section 16. Other information**

National Fire Protection  
Association (U.S.A.) :



Date of issue : 06 May 2013  
Prepared by : Regulatory Affairs  
1-800-352-5326

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : OASIS 115 XP

Other means of identification : Not applicable

Recommended use : Floor Cleaner

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.0 % - 0.0156 %

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 02/18/2015

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**
**Product AS SOLD**

Eye irritation : Category 2B

**Product AT USE DILUTION**

Not a hazardous substance or mixture.

**GHS Label element**
**Product AS SOLD**

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling.  
**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

**Product AT USE DILUTION**

Precautionary Statements : **Prevention:**  
Wash hands thoroughly after handling.  
**Response:**  
Get medical advice/ attention if you feel unwell.  
**Storage:**  
Store in accordance with local regulations.

Other hazards : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**
**Product AS SOLD**

# SAFETY DATA SHEET

## OASIS 115 XP

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
amines, coco alkyldimethyl, n-oxides	61788-90-7	1 - 5
Alkylpolyglycosides	110615-47-9	1 - 5
monoethanolamine	141-43-5	1 - 5

### Product AT USE DILUTION

No hazardous ingredients

## SECTION 4. FIRST AID MEASURES

### Product AS SOLD

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

### Product AT USE DILUTION

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

## SECTION 5. FIRE-FIGHTING MEASURES

### Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

Special protective equipment : Use personal protective equipment.

# SAFETY DATA SHEET

## OASIS 115 XP

for fire-fighters

Specific extinguishing methods

- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Product AS SOLD

Personal precautions, protective equipment and emergency procedures

- Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

- Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures

- Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- No special environmental precautions required.

Methods and materials for containment and cleaning up

- Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### SECTION 7. HANDLING AND STORAGE

#### Product AS SOLD

Advice on safe handling

- Wash hands thoroughly after handling.

Conditions for safe storage

- Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

- 0 °C to 50 °C

#### Product AT USE DILUTION

Advice on safe handling

- Wash hands after handling. For personal protection see section 8.

Conditions for safe storage

- Keep out of reach of children. Store in suitable labeled containers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Product AS SOLD

Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis



# SAFETY DATA SHEET

## OASIS 115 XP

monoethanolamine	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
		TWA	3 ppm 8 mg/m <sup>3</sup>	NIOSH REL
		STEL	6 ppm 15 mg/m <sup>3</sup>	NIOSH REL
		TWA	3 ppm 6 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: clear, dark green	green
Odor	: Perfumes, fragrances	Perfumes, fragrances
pH	: 11.25 - 12.25, 100 %	10.5
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: > 100 °C	
Evaporation rate	: No data available	
Flammability (solid, gas)	: No data available	

# SAFETY DATA SHEET

## OASIS 115 XP

Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 0.99 - 1.02
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
VOC	: No data available

## SECTION 10. STABILITY AND REACTIVITY

### Product AS SOLD

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Acids
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

### Potential Health Effects

#### Product AS SOLD

Eyes	: Causes eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

# SAFETY DATA SHEET

## OASIS 115 XP

### Product AT USE DILUTION

- Eyes : Health injuries are not known or expected under normal use.
- Skin : Health injuries are not known or expected under normal use.
- Ingestion : Health injuries are not known or expected under normal use.
- Inhalation : Health injuries are not known or expected under normal use.
- Chronic Exposure : Health injuries are not known or expected under normal use.

### Experience with human exposure

#### Product AS SOLD

- Eye contact : Redness, Irritation
- Skin contact : No symptoms known or expected.
- Ingestion : No symptoms known or expected.
- Inhalation : No symptoms known or expected.

### Product AT USE DILUTION

- Eye contact : No symptoms known or expected.
- Skin contact : No symptoms known or expected.
- Ingestion : No symptoms known or expected.
- Inhalation : No symptoms known or expected.

### Toxicity

#### Product AS SOLD

- Acute oral toxicity : Acute toxicity estimate > 5,000 mg/kg
- Acute inhalation toxicity : 4 h Acute toxicity estimate : > 10 mg/l
- Acute dermal toxicity : Acute toxicity estimate > 5,000 mg/kg
- Skin corrosion/irritation : No data available
- Serious eye damage/eye irritation : Mild eye irritation
- Respiratory or skin sensitization : No data available
- Carcinogenicity : No data available
- Reproductive effects : No data available
- Germ cell mutagenicity : No data available
- Teratogenicity : No data available
- STOT-single exposure : No data available
- STOT-repeated exposure : No data available
- Aspiration toxicity : No data available

## SECTION 12. ECOLOGICAL INFORMATION

# SAFETY DATA SHEET

## OASIS 115 XP

### Product AS SOLD

#### Ecotoxicity

Environmental Effects : Toxic to aquatic life.

#### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

#### Ingredients

Toxicity to fish : amines, coco alkyldimethyl, n-oxides  
96 h LC50 Fish: 1 mg/l

Alkylpolyglycosides  
96 h LC50 Fish: 5 mg/l

#### Ingredients

Toxicity to daphnia and other aquatic invertebrates : monoethanolamine  
48 h EC50 Daphnia: 65 mg/l

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Product AS SOLD

Disposal methods : The product should not be allowed to enter drains, water courses or the soil.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

### Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT)

# SAFETY DATA SHEET

**OASIS 115 XP**

Not dangerous goods

## Sea transport (IMDG/IMO)

Not dangerous goods

## Product AT USE DILUTION

Not intended for transport.

## SECTION 15. REGULATORY INFORMATION

### Product AS SOLD

#### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

#### The ingredients of this product are reported in the following inventories:

##### United States TSCA Inventory :

On TSCA Inventory

##### Canadian Domestic Substances List (DSL) :

This product contains one or several components listed in the Canadian NDSL.

##### Australia Inventory of Chemical Substances (AICS) :

not determined

##### New Zealand. Inventory of Chemical Substances :

not determined

##### Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

##### Japan. ISHL - Inventory of Chemical Substances (METI) :

not determined

##### Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

##### Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

# SAFETY DATA SHEET

## OASIS 115 XP

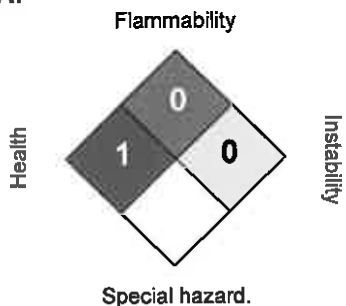
China. Inventory of Existing Chemical Substances in China (IECSC) :

not determined

### SECTION 16. OTHER INFORMATION

#### Product AS SOLD

##### NFPA:



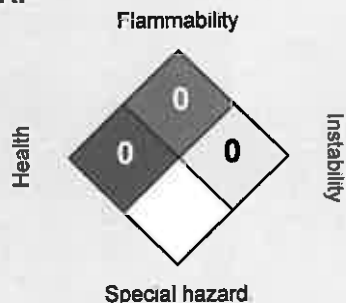
##### HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

#### Product AT USE DILUTION

##### NFPA:



##### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date                   : 02/18/2015  
Version                        : 1.0  
Prepared by                  : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

# SAFETY DATA SHEET

## PATHWAYS SOLID DRAIN SANITIZER

### Section 1. Chemical product and company identification

**Product name** : PATHWAYS SOLID DRAIN SANITIZER  
**Recommended use and restrictions** : Sanitizer.  
Use only for the purpose on the product label.

**Product dilution information** : Not applicable

**Supplier's information** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 903238

**Date of issue** : 11 Sep 2013

**EPA Registration No.** : 1677-134

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

### Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
ACUTE TOXICITY: ORAL - Category 4  
SKIN CORROSION/IRRITATION - Category 1B  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

#### GHS label elements

**Signal word** : Danger

**Symbol** :

**Hazard statements** : Harmful if swallowed.  
Causes severe skin burns and eye damage.

#### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.

**Response** : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES:

#### **Product AT USE DILUTION**

Data not available - Refer to Product AS SOLD

## Section 2. Hazards identification

	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.	
<b>Storage</b>	: No other specific measures identified.	
<b>Disposal</b>	: See section 13 for waste disposal information.	
<b>Other hazards</b>	: None known.	

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product AS SOLD**

Hazardous ingredients	Concentration Range (%)	CAS number
Alkyl (60% C-14, 30% C-16, 5% C-12, 5% C-18) dimethyl benzyl ammonium chlorides	49.5	68391-01-5

**Product AT USE DILUTION**

Hazardous ingredients	Concentration Range (%)	CAS number
Data not available - Refer to Product AS SOLD		

## Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	Data not available - Refer to Product AS SOLD
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	
<b>Ingestion</b>	: Get medical attention immediately. Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.	
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
<b>Notes to physician</b>	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
<b>See toxicological information (section 11)</b>		



## Section 5. Fire-fighting measures

**Product AS SOLD**

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : No specific fire or explosion hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides
- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Personal precautions</b>	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Data not available - Refer to Product AS SOLD
<b>Environmental precautions</b>	: Avoid contact of spilled material and runoff with soil and surface waterways.	
<b>Methods for cleaning up</b>	: Collect spillage. Use a water rinse for final clean-up.	

## Section 7. Handling and storage

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Handling</b>	: Do not ingest. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wash thoroughly after handling.	Data not available - Refer to Product AS SOLD
<b>Storage</b>	: Keep out of reach of children. Keep container tightly closed.  Store between the following temperatures: 0 and 50°C	

## Section 8. Exposure controls/personal protection

**Control parameters**

Ingredient name	Exposure limits
ALCOHOL	<b>ACGIH TLV (United States, 3/2012).</b> STEL: 1000 ppm 15 minutes. <b>OSHA PEL (United States, 6/2010).</b> TWA: 1900 mg/m <sup>3</sup> 8 hours. TWA: 1000 ppm 8 hours. <b>NIOSH REL (United States, 6/2009).</b> TWA: 1000 ppm 10 hours. TWA: 1900 mg/m <sup>3</sup> 10 hours.
ETHANOLAMINE	<b>ACGIH TLV (United States, 3/2012).</b> STEL: 15 mg/m <sup>3</sup> 15 minutes. STEL: 6 ppm 15 minutes.

## Section 8. Exposure controls/personal protection

TWA: 7.5 mg/m<sup>3</sup> 8 hours.  
 TWA: 3 ppm 8 hours.  
**OSHA PEL (United States, 6/2010).**  
 TWA: 6 mg/m<sup>3</sup> 8 hours.  
 TWA: 3 ppm 8 hours.  
**NIOSH REL (United States, 6/2009).**  
 TWA: 3 ppm 10 hours.  
 TWA: 8 mg/m<sup>3</sup> 10 hours.  
 STEL: 6 ppm 15 minutes.  
 STEL: 15 mg/m<sup>3</sup> 15 minutes.

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Data not available - Refer to Product AS SOLD
<b>Personal protection</b>		
<b>Eye protection</b>	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	
<b>Hand protection</b>	: Use chemical-resistant, impervious gloves.	
<b>Skin protection</b>	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Waxy solid	Data not available - Refer to Product AS SOLD
<b>Color</b>	: Green	
<b>Odor</b>	: Odorless	
<b>pH</b>	: 7 (1%)	
<b>Flash point</b>	: > 100°C	
<b>Explosion limits</b>	: Not available.	
<b>Flammability (solid, gas)</b>	: Not available.	
<b>Melting point</b>	: Not available.	
<b>Boiling point</b>	: Not available.	
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.	
<b>Vapor pressure</b>	: Not available.	
<b>Vapor density</b>	: Not available.	

## Section 9. Physical and chemical properties

<b>Relative density</b>	: 0.93 (Water = 1)
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Not available.

## Section 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Not available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Ingestion

### Product AS SOLD

#### Symptoms

<b>Eye contact</b>	: Adverse symptoms may include the following: pain watering redness
<b>Skin contact</b>	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Inhalation</b>	: Adverse symptoms may include the following: coughing Respiratory tract irritation
<b>Ingestion</b>	: Adverse symptoms may include the following: stomach pains
<b>Acute toxicity</b>	
<b>Eye contact</b>	: Causes serious eye damage.
<b>Skin contact</b>	: Causes severe burns.
<b>Inhalation</b>	: May cause respiratory irritation.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

#### Toxicity data

Product/ingredient name

## Section 11. Toxicological information

quaternary ammonium compounds, benzyl- c12-18-alkyldimethyl, chlorides	LC50 Inhalation	Rat	>0.054 mg/l
	Dusts and mists		
	LD50 Dermal	Rabbit	2300 mg/kg
ethanol	LD50 Oral	Rat	850 mg/kg
	LC50 Inhalation	Rat	117 mg/l
	Vapor		
2-aminoethanol	LD50 Dermal	Rabbit	15800 mg/kg
	LD50 Oral	Rat	10470 mg/kg
	LD50 Dermal	Rabbit	1025 mg/kg
	LD50 Oral	Rat	1089 mg/kg

### Chronic toxicity

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : No known significant effects or critical hazards.

### Aquatic and terrestrial toxicity

Product/Ingredient name	Result	Species	Exposure
Not available.			

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

<b>Disposal methods</b>	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
	: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.	Data not available - Refer to Product AS SOLD

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

DOT Classification Not regulated.

### IMO/MDG

IMO/MDG Classification Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

Product AS SOLD

### U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

EPA Registration No. : 1677-134

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

<b>SARA 313</b>	<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
-----------------	---------------------	-------------------	----------------------

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

## Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	* 3
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.) :



Date of Issue : 11 Sep 2013  
 Prepared by : Regulatory Affairs  
 1-800-352-5326

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

**1. Application is made for 2.5% vendor preference for the reason checked:**

Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

**2. Application is made for 2.5% vendor preference for the reason checked:**

Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

**3. Application is made for 2.5% vendor preference for the reason checked:**

Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

**4. Application is made for 5% vendor preference for the reason checked:**

Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

**5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:**

Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

**6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:**

Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

**7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**

Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

**Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.**

Bidder: Ecolab Inc.

Signed: 

Date: 04/14/2015

Title: Sr. Government Sales Manager

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Ecolab Inc.

Authorized Signature: *Ben Kotton* Date: 04/14/2015

State of Minnesota

County of Ramsey, to-wit:

Taken, subscribed, and sworn to before me this 14 day of April, 2015.

My Commission expires 1-31, 2020.



NOTARY PUBLIC *Michele Kennedy*