



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 4

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information

Procurement Folder: 580665

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0313

Vendor ID: VS0000012431

SO Doc ID: DEP1900000031

Legal Name: Graymont PA Inc

Published Date: 6/25/19

Alias/DBA:

Close Date: 6/27/19

Total Bid: \$860,000.00

Close Time: 13:30

Response Date: 06/24/2019

Status: Closed

Response Time: 17:34

Solicitation Description: Addendum No.02 - OSR North Bulk Enhanced Lime Open End

Total of Header Attachments: 4

Total of All Attachments: 4



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

**State of West Virginia
 Solicitation Response**

Proc Folder : 580665

Solicitation Description : Addendum No.02 - OSR North Bulk Enhanced Lime Open End

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-06-27 13:30:00	SR 0313 ESR06241900000005998	1

VENDOR
VS0000012431 Graymont PA Inc

Solicitation Number: CRFQ 0313 DEP1900000031

Total Bid : \$860,000.00 **Response Date:** 2019-06-24 **Response Time:** 17:34:32

Comments: Graymont does not offer discounts

FOR INFORMATION CONTACT THE BUYER
 Brittany E Ingraham
 (304) 558-2157
 brittany.e.ingraham@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Barbour County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Barbour County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Barbour County Enhanced Lime Large Truck (>10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Barbour County Enhanced Lime Large Truck (>10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Grant County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Grant County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Grant County Enhanced Lime Large Truck (>10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Grant County Enhanced Lime Large Truck (>10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Marion County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Marion County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Marion County Enhanced Lime Large Truck (>10 Tons)	600.00000	TON	\$200.000000	\$120,000.00

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Marion County Enhanced Lime Large Truck (>10 Tons)

Comments: Minimum 20-ton Truckloads Split Deliveries 30 miles apart maximum

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Mineral County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Mineral County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	Mineral County Enhanced Lime Large Truck (>10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Mineral County Enhanced Lime Large Truck (>10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	Monongalia County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Monongalia County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	Monongalia County Enhanced Lime Large Truck (>10 Tons)	200.00000	TON	\$200.000000	\$40,000.00

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Monongalia County Enhanced Lime Large Truck (>10 Tons)

Comments: Minimum 20-ton Truckloads Split deliveries 30 miles apart maximum

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	Preston County Enhanced Lime Small Truck (<10 Tons)	20.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Preston County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	Preston County Enhanced Lime Large Truck (>10 Tons)	3500.00000	TON	\$200.000000	\$700,000.00

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Preston County Enhanced Lime Large Truck (>10 Tons)

Comments: Minimum 20-ton Truckloads Split Deliveries 30 miles apart maximum

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	Tucker County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Tucker County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	Tucker County Enhanced Lime Large Truck (>10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Tucker County Enhanced Lime Large Truck (>10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	UpsherCounty Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Upsher County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
16	Upsher County Enhanced Lime Large Truck (>10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Upsher County Enhanced Lime Large Truck (>10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
17	Clay County Enhanced Lime Small Truck (<10 Tons)	5.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Clay County Enhanced Lime Small Truck (<10 Tons)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
18	Clay County Enhanced Lime Large Truck (>10 Tons)	200.00000	TON		

Comm Code	Manufacturer	Specification	Model #
47101600			

Extended Description : Clay County Enhanced Lime Large Truck (>10 Tons)

REQUEST FOR QUOTATION
OSR Bulk Enhanced Lime

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

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

8.2 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.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency'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.

8.4 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 should list its Contract manager and his or her contact information below.

Contract Manager: Charles Lucostic

Telephone Number: 814-353-2121

Fax Number: 814-353-1349

Email Address: cluostic@graymont.com

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Charles C Lucostic, Account Manager

(Name, Title)

Charles Lucostic / AccountManager

(Printed Name and Title)

194 Match Factory Place, Bellefonte PA 16823

(Address)

814-353-2121 / 814-353-1349

(Phone Number) / (Fax Number)

clucostic@graymont.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated 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.

Graymont (PA) Inc.

(Company)

Charles C Lucostic, Account Manager

(Authorized Signature) (Representative Name, Title)

Charles Lucostic / Account Manager

(Printed Name and Title of Authorized Representative)

June 19, 2019

(Date)

814-353-2121 / 814-353-1349

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DEP19*31

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:

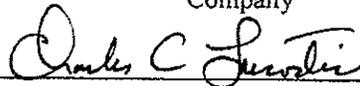
(Check the box next to each addendum received)

- | | |
|--|--|
| <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 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.

Graymont (PA) Inc.

Company



Authorized Signature

June 19, 2019

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012

SOLICITATION NUMBER: CRFQ DEP1900000031

Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as ("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:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. The purpose of this addendum is to modify the bid opening date as follows:

Bid opening WAS: 6/21/2019 at 1:30 PM EDT
Bid opening IS NOW: 6/26/2019 at 1:30 PM EDT

No other changes.

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.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DEP19*31

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:

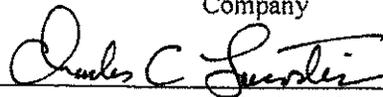
(Check the box next to each addendum received)

- | | |
|--|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" 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 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.

Graymont (PA) Inc.

Company



Authorized Signature

June 19, 2019

Date

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

Revised 6/8/2012

OSR North Bulk Enhanced Lime
CRFQ DEP1900000031
Vendor Questions and Agency Answers
Addendum #2

Q1.) If you could please help us get the Zip codes for the deliveries of the following counties:

Enhanced Lime – Marion County, Monongalia County, Preston County, Clay County

A1.) See attached spreadsheet for the zip code for each site. Note per Item 6.4 of the contract:

“Over the terms of the Contract WVDEP may acquire additional sites within the Monongalia, Preston, Grant, Tucker, Mineral, Upshur, Barbour and Marion, Clay Counties in West Virginia.”

The sites in the spreadsheet represent all data currently available.

Q2.) Could you please provide a list of the actual AMD plant locations (nearest town) and truckload size for each?

A2.) See attached spreadsheet for the nearest town and truck sizes. Note per Item 6.4 of the contract:

“Over the terms of the Contract WVDEP may acquire additional sites within the Monongalia, Preston, Grant, Tucker, Mineral, Upshur, Barbour and Marion, Clay Counties in West Virginia.”

The sites in the spreadsheet represent all data currently available.

Q3.) We assume the small truck load sites cannot be accessed with a tractor trailer due to road conditions. Is this correct?

A3.) To clarify, roads are maintained on the sites to facilitate vehicular traffic. There are some sites that turning and maneuverability for large 18-wheeled trucks is very limited. Other sites have limited capacity so that large truck deliveries are not practical. In rare occasions, there are weight limitations to the county roads that access that location therefore large 18-wheel trucks cannot access the site.

Addendum #2

Project Site Name (Current Projects)	(Current	County	Nearest Town	Zip Code	Permit Number	GPS Latitude	GPS Longitude	Current Product Type*	Silo Size (Tons)	Truck Size	Projected Tons Per Year**
Barbour County WV Sites											
KEISTER COAL (Site 1 & 2)		Barbour	Belington	25405	184-77	39.0431	-80.0286	Pelletized Lime	10	Small	20
Grant County WV Sites											
BUFFALO COAL		Grant	Davis	26739	S-52-80	39.1433	-79.2919	Pelletized Lime	40	Small	20
BUFFALO COAL (upper&lower)		Grant	Davis	26739	S-2003-80	39.2078	-79.3028	Hydrated Lime	50	Large	320
Marion County WV Sites											
LAROSA FUELS		Marion	Jordan	26554	S-1051-86	39.5419	-80.0736	Enhanced Lime	50	Large	600
Mineral County WV Sites											
CHESTNUT RIDGE COAL		Mineral	Elk Garden	26717	S-28-83	39.3756	-79.1778	Hydrated Lime	30	Large	30
Monongalia County WV Sites											
ED-E DEVELOPMENT (Site 1 & Site 2)		Monongalia	Morgantown	26508	S-10-81	39.4872	-79.9011	Hydrated Lime	100	Large	100
ED-E DEVELOPMENT		Monongalia	Morgantown	26508	S-1032-86	39.4755	-79.7489	Hydrated Lime	20	Small	20
EDWARD E. THOMPSON		Monongalia	Morgantown	26508	S-1041-89	39.7034	-79.8646	Enhanced Lime	20	Large	50
OMEGA MINING		Monongalia	Morgantown	26508	D-79-82	39.5333	-79.9353	Enhanced Lime	100	Large	200
S. KELLY INDUSTRIES		Monongalia	Morgantown	26508	51-78	39.5139	-79.9472	Hydrated Lime	20	Small	20
STEWARTOWN COAL		Monongalia	Morgantown	26508	67-78	39.7194	-79.8966	Pelletized Lime	20	Small	2
VALLEY MINING		Monongalia	Brookhaven	26508	S-17-82	39.5869	-79.8958	Pelletized Lime	20	Small	20
VALLEY MINING		Monongalia	Morgantown	26508	S-64-83	39.6470	-79.8472	Hydrated Lime	25	Small	20
VMS		Monongalia	Morgantown	26508	S-1045-87	39.4821	-79.9132	Pelletized Lime	20	Small	15
Z & F DEVELOPMENT		Monongalia	Morgantown	26508	S-21-84	39.555	-80.0281	Pelletized Lime	25	Small	20
Preston County WV Sites											
AMANDA NICOLE FUELS		Preston	Tunnellon	26444	S-1018-88	39.3694	-79.7708	Hydrated Lime	40	Small	170
BOLINGREEN MINING		Preston	Albnght	26537	S-1024-88	39.5276	-79.6582	Pelletized Lime	5	Small	2
BORGMAN COAL		Preston	Kingwood	26444	EM-32	39.4464	-79.7331	Hydrated Lime		Small	25
BUFFALO COAL		Preston	Kepton	26716	S-122-80	39.2189	-79.4869	Pelletized Lime	30	Large	20
DAUGHERTY COAL (Site 1 & 2)		Preston	Masontown	26542	S-1009-86	39.5444	-79.7305	Pelletized Lime	50	Small	30
DAUGHERTY COAL		Preston	Masontown	26542	192-77	39.553	-79.7397	Pelletized Lime	25	Small	170
DAUGHERTY COAL		Preston	Masontown	26542	65-77	39.5706	-79.7466	Pelletized Lime	50	Large	75
DECONDOR COAL		Preston	Reedsville	26537	U-147-82	39.4919	-79.7683	Hydrated Lime	20	Large	75
F & M Coal		Preston	Fellowsville	26452	S-1044-87	39.3011	-79.7711	Hydrated Lime	50	Large	250
FREEPOR MINING		Preston	Hopewell	26525	S-1005-95	39.6429	-79.7369	Pelletized Lime	50	Large	150
GLADE RUN IN-STREAM DOSER		Preston	Valley Point	26525	GR-DOS-17	39.5711	-79.648	Enhanced Lime	30	Large	750
HALLELUJAH MINING		Preston	Kingwood	26537	48-81	39.4969	-79.7187	Pelletized Lime	20	Small	10
HIDDEN VALLEY COAL		Preston	Hazallon	26525	S-60-84	39.6431	-79.5286	Pelletized Lime	5	Small	2
INTER-STATE LUMBER		Preston	Tunnellon	26410	S-52-83	39.3975	-79.7948	Pelletized Lime	25	Small	2
INTER-STATE LUMBER		Preston	Albright	26525	176-77	39.5236	-79.5958	Pelletized Lime	5	Small	2
J. E. B.		Preston	Kingwood	26537	S-61-82	39.4611	-79.725	Pelletized Lime	10	Small	6
J. E. B.		Preston	Kingwood	26537	S-1063-86	39.4756	-79.7042	Pelletized Lime	5	Small	2
LEFT FORK LITTLE SANDY IN-STREAM DOSER		Preston	Tunnellon	26444	LF-DOS-18	39.3659	-79.7645	Enhanced Lime	30	Large	1000
MAPLE RUN IN-STREAM DOSER		Preston	Evansville	24660	MR-DOS-18	39.3671	-79.8861	Enhanced Lime	30	Large	550
MARTIN CREEK IN-STREAM DOSER		Preston	Albright	26519	MC-DOS-18	39.552023	-79.651962	Enhanced Lime	30	Small	20
MARY RUTH		Preston	Valley Point	26525	S-1015-88	39.5806	-79.5889	Pelletized Lime	20	Small	5
PRESTON ENERGY		Preston	Howesville	26444	O-43-85	39.4253	-79.7642	Pelletized Lime	5	Small	6
PRESTON ENERGY		Preston	Howesville	26444	O-1035-87	39.4278	-79.7681	Hydrated Lime	50	Large	60
ROCKVILLE MINING (Site 1 & 2)		Preston	Mt Nebo	26525	237-76	39.5833	-79.6931	Pelletized Lime	6	Small	2
ROCKVILLE MINING (Site 4 & 5)		Preston	Mt Nebo	26525	S-1035-86	39.5848	-79.6971	Pelletized Lime	1	Small	1
T & T FUELS		Preston	Albright	26519	U-125-83	39.5501	-79.6565	Pelletized Lime	1	Small	2
T & T FUELS		Preston	Albright	26519	EM-113	39.5433	-79.6323	Enhanced Lime	100	Large	1200
WOCAP ENERGY RESOURCES		Preston	Kingwood	26444	S-26-85	39.4503	-79.7331	Hydrated Lime	50	Small	30
Upshur County WV Sites											
DELTA MINING		Upshur	Buckhannon	26201	U-2024-87	38.9492	-80.1039	Pelletized Lime	25	Small	20
DLM COAL (also 23-76)		Upshur	Alexander	26237	58-77	38.8183	-80.2003	Enhanced Lime	100	Large	600
Clay County WV Sites											
Greendale Coals Inc.		Clay	Lizemores	26125	S-75-83	38.2986	-81.1563	Enhanced Lime	100	Large	200

*Product used at the site subject to change.

** Yearly usage is estimated based on best data available. Subject to several factors including precipitation, changes in water quality and site treatment efficiency.

Estimated Large Truck Delivered Per Year (>20 Tons) 6230

Estimated Small Truck Delivered Per Year (<20 Tons) 664

Estimated Total Tons Per Year 6894

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: 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 §81-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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: Graymont (PA) Inc.

Authorized Signature: Charles Lucostic Date: 6-24-19

State of PA

County of Centre, to-wit:

Taken, subscribed, and sworn to before me this 24 day of June, 2019

My Commission expires _____, 20____.

AFFIX SEAL HERE

NOTARY PUBLIC Sue E. Catherman

Purchasing Affidavit (Revised 01/19/2018)

Commonwealth of Pennsylvania - Notary Seal
Sue E. Catherman, Notary Public
Centre County
My commission expires November 2, 2022
Commission number 1024853

Member, Pennsylvania Association of Notaries



HIGH CALCIUM ENHANCED HYDRATED LIME

Nominal size: 20 µm – 0

Pleasant Gap, Pennsylvania

PRODUCT DESCRIPTION

A fine white powder with enhanced properties made by reacting quicklime with sufficient water to convert the Calcium Oxide (CaO) to Calcium Hydroxide (Ca(OH)₂).

TYPICAL CHEMICAL PROPERTIES

(ASTM C25, C1271, C1301)

Total Calcium expressed as Ca(OH) ₂ (%)	95.5
Avail. Calcium Hydroxide (Ca(OH) ₂) (%)	91.7
Magnesium Oxide (MgO) (%)	0.9
Silica (SiO ₂) (%)	1.1
Ferric Oxide (Fe ₂ O ₃) (%)	0.2
Alumina (Al ₂ O ₃) (%)	0.4
Manganese Oxide (MnO) (ppm)	< 50
Total Sulfur (S) (%)	0.04
Loss on ignition (%)	25.0
Calcium Carbonate (CaCO ₃) (%)	6.5
Moisture (H ₂ O) (%)	0.9

TYPICAL PHYSICAL PROPERTIES

(ASTM C110, GRAYMONT)

Bulk Density	
▲ Loose / Packed, (kg/m ³)	300 / 490
▲ Loose / Packed, (lb/ft ³)	18.7/30.6
Angle of Internal Friction, Φ (°)	53.1
BET Surface Area (m ² /g)	43.7
Pore Size (Å)	119
Pore Volume (cm ³ /g)	0.128
Volume Mean Diameter, D[4,3] (µm)	7.8
Diameter at 50%, Median, D _v 50 (µm)	6.4
Diameter at 90%, D _v 90 (µm)	15.5

CLASSICAL REFERENCE DATA

(CRC Handbook of Chemistry and Physics, Boynton)

Specific Gravity	2.3 – 2.4
Solubility in Water (20 °C) (g/l)	1.65
pH (saturated solution) (25 °C)	12.454
Decomposition Temperature (°C)	580
Hardness (Mohs)	2 – 3
Specific Heat (0 °C) (cal/g·°C)	0.27
Heat of Solution (18 °C) (cal/mole)	2800

LASER PARTICLE SIZE DISTRIBUTION

(Mode: Wet Dispersion, Format: Volume)

<u>Diameter (µm)</u>	<u>% Passing</u>
45	100
38	99.9
32	99.6
25	98.3
20	95.5
10	73.3

NOTICE

The test data herein is based on average results on production samples. Product shipments are subject to normal variation. Accordingly, test data cannot be taken as establishing maximum or minimum specifications. Product Code: 2095 (Bulk).



GRAYMONT

SAFETY DATA SHEET

HIGH CALCIUM HYDRATED LIME

Section 1. Identification

GHS product identifier : HIGH CALCIUM HYDRATED LIME
Code : Not available.
Other means of identification : Hydrated Lime, Calcitic Hydrated Lime, Lime, Slaked lime, Lime Putty, Lime Slurry, Milk of Lime, Calcium Hydroxide.
Product type : Solid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Neutralization, flocculation, stabilization, absorption.

Supplier/Manufacturer : GRAYMONT
 #200-10991 Shellbridge Way
 Richmond, BC V6X 3C6
 Canada
 Phone: 1 604 207-4292
 Toll free: 1 866 207-4292
 Fax: 1 604 207-9014
 Web Site: <http://www.graymont.com/>

Emergency telephone number (with hours of operation) : CHEMTREC, US (800-424-9300)
 INTERNATIONAL: (703-527-3887)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
 CARCINOGENICITY (inhalation) - Category 1A
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 - Causes serious eye damage.
 H315 - Causes skin irritation.
 H350 - May cause cancer if inhaled.
 H335 - May cause respiratory irritation.
 H372 - Causes damage to organs through prolonged or repeated exposure. (respiratory tract)

Precautionary statements

Section 2. Hazards identification

- Prevention** : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
P271 - Use only outdoors or in a well-ventilated area.
P260 - Do not breathe dust.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
- Response** : P314 - Get medical attention if you feel unwell.
P308 + P313 - IF exposed or concerned: Get medical attention.
P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P302 + P352 + P362 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 + P310 - 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 physician.
- Storage** : P401 - Store to minimize dust generation.
- Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Hydrated Lime, Calcitic Hydrated Lime, Lime, Slaked lime, Lime Putty, Lime Slurry, Milk of Lime, Calcium Hydroxide.

Ingredient name	%	CAS number
Calcium Hydroxide	87 - 99	1305-62-0
Crystalline silica, respirable powder	0.0001 - 1	14808-60-7

Crystalline silica has been found in some products at or above detection level 0.1%. Concentration is dependent upon limestone source.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Get medical attention immediately. Call a poison center or physician.

Section 4. First aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
burning sensation
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
burning sensation
abdominal cramps and pain
vomiting

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

Section 4. First aid measures

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : No specific fire or explosion hazard.

- Hazardous thermal decomposition products** : None.

- Special protective actions for fire-fighters** : No special measures are required.

- 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, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store to minimize dust generation. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Calcium Hydroxide	<p>ACGIH TLV (United States, 3/2017). TWA: 5 mg/m³ 8 hours.</p> <p>NIOSH REL (United States, 10/2016). TWA: 5 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> <p>MSHA PEL TWA 8/40 hours: 5 mg/m³</p>
Crystalline silica, respirable powder	<p>OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf 8 hours. Form: Respirable TWA: 10 mg/m³ 8 hours. Form: Respirable TWA: 5 mg/m³ Form: Respirable fraction TWA: 15 mg/m³ Form: Total dust</p> <p>NIOSH REL (United States, 10/2013). TWA: 0.05 mg/m³ 10 hours. Form: Respirable dust TWA: 5 mg/m³ Form: Respirable fraction TWA: 10 mg/m³ Form: Total dust</p> <p>OSHA PEL (United States, 6/2016). TWA: 50 µg/m³ 8 hours. Form: Respirable dust</p> <p>ACGIH TLV (United States, 3/2017). TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction</p> <p>MSHA PEL TWA 8/40 hours: 30 mg/m³(%SiO₂)+2 mg/m³ Form: Total dust 10 mg/m³(%SiO₂)+2 mg/m³ Form: Respirable dust</p>

Canada

Occupational exposure limits

Section 8. Exposure controls/personal protection

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear an appropriate NIOSH approved respirator if concentration levels exceed the safe exposure limits.

Section 9. Physical and chemical properties

Appearance

Physical state : Solid. [Fine powder.]
Color : White.
Odor : Sweet, soil like odor.
Odor threshold : Not available.
pH : 12.45 [Sat. soln.] at 25°C
Melting point : Not available.
Boiling point : Not available.
Flash point : Not applicable.
Evaporation rate : Not available.
Flammability (solid, gas) : Not available.
Lower and upper explosive (flammable) limits : Not available.
Vapor pressure : Not available.
Vapor density : Not available.
Relative density : 2.3 to 2.4
Solubility in water : 0.165 g/100 g at 20°C
Partition coefficient: n-octanol/water : Not available.
Auto-ignition temperature : Not available.
Decomposition temperature : 540°C (1004°F)
Viscosity : Not available.
Flow time (ISO 2431) : Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : None.

Conditions to avoid : Do not allow hydrated lime to come into contact with incompatible materials. e.g. acids, reactive fluoridated compounds, reactive brominated compounds. reactive powdered metals, organic acid anhydrides, nitro-organic compounds, reactive phosphorous compounds, interhalogenated compounds.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials and acids.

Section 10. Stability and reactivity

Hazardous decomposition products : None.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Calcium Hydroxide	LD50 Oral	Rat	7340 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Calcium Hydroxide	Eyes - Severe irritant	Rabbit	-	10 mg	-

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP
Crystalline silica, respirable powder	-	1	Known to be a human carcinogen.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

Name	Category	Target organs
Calcium Hydroxide	Category 3	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Target organs
Crystalline silica, respirable powder	Category 1	respiratory tract

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Section 11. Toxicological information

- Eye contact** : Adverse symptoms may include the following:
 pain
 watering
 redness
- Inhalation** : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing
 burning sensation
- Skin contact** : Adverse symptoms may include the following:
 pain or irritation
 redness
 blistering may occur
- Ingestion** : Adverse symptoms may include the following:
 burning sensation
 abdominal cramps and pain
 vomiting

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

Potential chronic health effects

- General** : Causes damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : May cause cancer if inhaled. Risk of cancer depends on duration and level of exposure.
- 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.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Calcium Hydroxide	Acute LC50 33884.4 µg/L Fresh water	Fish - Clarias gariepinus - Fingerling	96 hours

Persistence and degradability

There is no data available.

Section 12. Ecological information

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

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

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

AERG : Not applicable.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.
RCRA classification: Calcium Hydroxide is not listed or classified.
CWA-311: Calcium Hydroxide has been withdrawn from the Clean Water Act (CWA) list of hazardous substances. (11/13/79) (44FR65400).
CERCLA: Calcium Hydroxide is not listed.
FDA: Calcium Hydroxide has been determined as Generally Recognized As Safe (GRAS) by FDA. See 21CFR184.1205. (CFR Title 21 Part 184 - - Direct food substances affirmed as generally recognized as safe).

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
 CARCINOGENICITY (inhalation) - Category 1A
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) - Category 1

Composition/information on ingredients

Name	Classification
Calcium Hydroxide	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Crystalline silica, respirable powder	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

SARA 313

There is no data available.

State regulations

- Massachusetts** : The following components are listed: Calcium Hydroxide; Crystalline silica, quartz
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: Calcium Hydroxide; Crystalline silica, quartz
- Pennsylvania** : The following components are listed: Calcium Hydroxide; Crystalline silica, quartz
- California Prop. 65**



Section 15. Regulatory information

WARNING: This product can expose you to Crystalline silica, respirable powder, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Canadian lists

- Canada inventory (DSL NDSL)** : All components are listed or exempted.
- Canadian NPRI** : None of the components are listed.
- CEPA Toxic substances** : None of the components are listed.

Section 16. Other information

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

Health : 3 * **Flammability :** 0 **Physical hazards :** 1

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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

Health : 3 **Flammability :** 0 **Instability :** 1

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
SKIN CORROSION/IRRITATION - Category 2	Expert judgment
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	On basis of test data
CARCINOGENICITY (inhalation) - Category 1A	Expert judgment
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) - Category 1	Calculation method

History

- Date of issue mm/dd/yyyy** : 02/15/2019
- Date of previous issue** : 03/30/2018
- Version** : 4
- Prepared by** : KMK Regulatory Services Inc.

Key to abbreviations

- : ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

Section 16. Other information

UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.