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## Header 1

List View

General Information | Contact | Default Values | Discount | Document Information

Procurement Folder: 650711

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0803

Vendor ID:

SO Doc ID: DOT2000000081

Legal Name: CHEMSTATION OF WV

Published Date: 11/25/19

Alias/DBA:

Close Date: 12/17/19

Total Bid: \$60,768.40

Close Time: 13:30

Response Date:

Status: Closed

Response Time:

Solicitation Description:

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 650711

**Solicitation Description :** D-LIMONENE BASED INGREDIENT TAR REMOVER-0920B005

**Proc Type :** Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-12-17 13:30:00	SR 0803 ESR11271900000003317	1

<b>VENDOR</b>
000000213570 CHEMSTATION OF WV

**Solicitation Number:** CRFQ 0803 DOT2000000081

**Total Bid :** \$60,768.40      **Response Date:** 2019-11-27      **Response Time:** 11:13:56

**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Crystal G Hustead  
 (304) 558-2402  
 crystal.g.hustead@wv.gov

<b>Signature on File</b>	<b>FEIN #</b>	<b>DATE</b>
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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	D-LIMONENE BASED INGREDIENT TAR REMOVER	56.00000	DRUM	\$1,085.150000	\$60,768.40

Comm Code	Manufacturer	Specification	Model #
30121600			

<b>Extended Description :</b>	D-LIMONENE BASED INGREDIENT TAR REMOVER
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Safety Data Sheet (SDS)  
7462

SDS Revision Date: 11/26/2019

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Identity 7462  
Alternate Names 7462

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Contact ChemStation representative.  
Application Method Contact ChemStation representative.

### 1.3. Details of the supplier of the safety data sheet

Company Name ChemStation of West Virginia  
95 Mesa Drive  
Saint Albans, WV 25177

### Emergency

CHEMTREC (USA) (800) 424-9300  
Customer Service: ChemStation of West Virginia (304) 755-9266

## 2. Hazard identification of the product

### 2.1. Classification of the substance or mixture

Flam. Liq. 3;H226 Flammable liquid and vapor.  
Skin Irrit. 2;H315 Causes skin irritation.  
Skin Sens. 1;H317 May cause an allergic skin reaction.  
Aquatic Chronic 1;H410 Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements



### Warning

H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H410 Very toxic to aquatic life with long lasting effects.

### [Prevention]:

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
P241 Use explosion-proof electrical, ventilating, light, equipment.  
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.  
P264 Wash thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, eye protection, face protection.

### [Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P313 Get medical advice , attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

P391 Collect spillage.

**[Storage]:**

P403+233 Store in a well ventilated place. Keep container tightly closed.

**[Disposal]:**

P501 Dispose of contents or container in accordance with local and national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Dipentene CAS Number: 0000138-86-3	25 - 50	Flam. Liq. 3;H226 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
D-Limonene CAS Number: 0005989-27-5	1.0 - 10	Flam. Liq. 3;H226 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] FBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### Section 4. First-aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No specific symptom data available. Check section 2.2 (GHS Label Elements) for further details.
<b>Skin</b>	May cause an allergic skin reaction. Causes skin irritation.

### Section 5. Fire-fighting measures

#### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.



Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

Use explosion-proof electrical, ventilating, light, equipment.

Avoid breathing dust, fume, gas, mist, vapors, spray.

### 5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 128

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: No data available.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0000138-86-3	Dipentene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0005989-27-5	D-Limonene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
0000138-86-3	Dipentene	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0005989-27-5	D-Limonene	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

### 8.2. Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses recommended.
<b>Skin</b>	Keep skin contact to a minimum. Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

## Section 9. Physical and chemical properties

<b>Appearance</b>	Yellow liquid
<b>Odor</b>	Pine
<b>Odor threshold</b>	Not Measured
<b>pH</b>	-n/a-
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	212 deg F
<b>Flash Point</b>	129 degrees F PMCC (combustible)
<b>Evaporation rate (Ether = 1)</b>	0.33
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Determined
<b>Vapor Density</b>	Not Determined
<b>Relative Density</b>	0.892 - 0.902
<b>Solubility in Water</b>	Not Measured
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>Foaming</b>	Low

### 9.2. Other information

No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.



#### 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

No data available.

#### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## Section 11. Toxicological information

#### Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Dipentene - (138-86-3)	5,300.00, Rat - Category: NA	No data available	No data available	No data available	No data available
D-Limonene - (5989-27-5)	>2,000.00, Rat - Category: 5	> 5,000.00, Rabbit - Category: NA	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	—	Not Applicable
Acute toxicity (dermal)	—	Not Applicable
Acute toxicity (inhalation)	—	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	—	Not Applicable
Respiratory sensitization	—	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	—	Not Applicable
Carcinogenicity	—	Not Applicable
Reproductive toxicity	—	Not Applicable
STOT-single exposure	—	Not Applicable
STOT-repeated exposure	—	Not Applicable
Aspiration hazard	—	Not Applicable

## Section 12. Ecological information

#### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Very toxic to aquatic life with long lasting effects.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	EC50 algae, mg/l
Dipentene - (138-86-3)	0.0203, <i>Fimephales promelas</i>	0.0282, <i>Daphnia magna</i>	Not Available
D-Limonene - (5989-27-5)	0.72, <i>Fimephales promelas</i>	0.307, <i>Daphnia magna</i>	0.32 (72 hr), <i>Pseudokirchneriella subcapitata</i>

#### 12.2. Persistence and degradability

This product is fully biodegradable.

#### 12.3. Bioaccumulative potential

Not Measured

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No data available.

## Section 13. Disposal considerations

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

14.1. UN number	NA1993
14.2. UN proper shipping name	Compound, cleaning, liquid, (d-Limonene)
14.3. Transport hazard class(es)	3
14.4. Packing group	III

## Section 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act (TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS 1988 Classification</b>	B3 D2B
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> <b>Sudden Release of Pressure:</b> <b>Reactive:</b> <b>Immediate (Acute):</b> <b>Delayed (Chronic):</b>
<b>EPCRA 311/312 Chemicals and RQs:</b>	(No Product Ingredients Listed)
<b>EPCRA 302 Extremely Hazardous :</b>	(No Product Ingredients Listed)
<b>EPCRA 313 Toxic Chemicals:</b>	(No Product Ingredients Listed)
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	(No Product Ingredients Listed)
<b>Proposition 65 - Developmental Toxins (&gt;0.0%):</b>	(No Product Ingredients Listed)
<b>Proposition 65 - Female Repro Toxins (&gt;0.0%):</b>	(No Product Ingredients Listed)
<b>Proposition 65 - Male Repro Toxins (&gt;0.0%):</b>	(No Product Ingredients Listed)
<b>N.J. RTK Substances (&gt;1%):</b>	Dipentene
<b>Penn RTK Substances (&gt;1%):</b>	(No Product Ingredients Listed)

## Section 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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