



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 1892826  
**Solicitation Description:** Addendum :01 D-limonene based ingredient tar remover  
**Proc Type:** Agency Master Agreement

Solicitation Closes	Solicitation Response	Version
2026-02-26 10:30	SR 0803 ESR02232600000005045	1

**VENDOR**  
 000000193873  
 SEABOARD ASPHALT PRODUCTS CO

**Solicitation Number:** ARFQ 0803 DOT2600000065  
**Total Bid:** 40956.30000000000291038304567 **Response Date:** 2026-02-23 **Response Time:** 13:58:54  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 James F Moffatt  
 304-414-0815  
 james.f.moffatt@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

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	45.00000	DRUM	910.140000	40956.30

Comm Code	Manufacturer	Specification	Model #
30121600			

**Commodity Line Comments:** Bidding Emulso Slip N Slide

**Extended Description:**

D-limonene based ingredient tar remover



State of West Virginia  
Agency Request for Quote  
Highways

Proc Folder: 1892826			Reason for Modification:
Doc Description: D-limonene based ingredient tar remover			
Proc Type: Agency Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2026-02-10	2026-02-26 10:30	ARFQ 0803 DOT2600000065	1

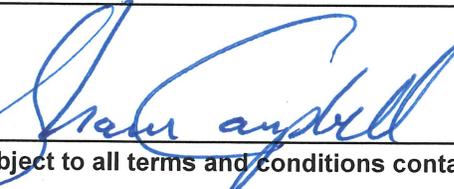
**BID RECEIVING LOCATION**

PROCUREMENT DIVISION  
DIVISION OF HIGHWAYS  
BLDG 6 RM 340A  
1900 KANAWHA BLVD E  
CHARLESTON WV 25305  
US

**VENDOR**

Vendor Customer Code: 193873  
Vendor Name: Seaboard Asphalt Products Company  
Address :  
Street : 3601 Fairfield Road  
City : Baltimore  
State : Maryland Country : USA Zip : 21226  
Principal Contact : Shawn Campbell  
Vendor Contact Phone: 410-355-0330 Extension:

**FOR INFORMATION CONTACT THE BUYER**  
James F Moffatt  
304-414-0815  
james.f.moffatt@wv.gov

Vendor Signature X  FEIN# 52-1464056 DATE 2/23/26

**ADDITIONAL INFORMATION**

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION - PROCUREMENT DIVISION - SOLICITATION OF AN OPEN-END CONTRACT OF D- LIMONENE BASED INGREDIENT TAR REMOVER FOR DISTRICT 9 PER THE ATTACHED DOCUMENTS. QUESTIONS REGARDING THE SOLICITATION MUST BE SUBMITTED IN WRITING TO DOTPROCUREMENTTECHQUES@WV.GOV PRIOR TO THE QUESTION PERIOD DEADLINE CONTAINED IN THE INSTRUCTIONS TO VENDORS SUBMITTING BIDS.

\*\*\*\*\*NOTICE\*\*\*\*\*

WE DO NOT ACCEPT EMAIL BIDS  
MUST USE ONE THE FOLLOWING TO SUBMIT A BID:

- \* UPLOAD TO OASIS
- \* HAND DELIVERY
- \* MAIL IN HARD COPY
- \* FAX TO 304-558-0047

MAKE SURE YOU DOWNLOAD ALL INFORMATION - THE COMPLETE SOLICITATION - PRICING PAGES - SIGN THE PAGES THAT NEED SIGNED

PLEASE NOTE THAT TO BE AWARDED THIS CONTRACT YOU WILL NEED TO BE REGISTERED WITH WV STATE PURCHASING DIVISION, AND COMPLIANT WITH SEVERAL AGENCIES SUCH AS THE WWSOS, TAX DEPARTMENT, WORKER'S COMPENSATION, AND UNEMPLOYMENT INSURANCE.

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT NINE		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER	
146 STONEHOUSE RD LEWISBURG US	WV	No City US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	D-limonene based ingredient tar remover	3080.0000	DRUM	\$910.14	\$2,803,231.20

Comm Code	Manufacturer	Specification	Model #
30121600	Emulso	SlipNSlide	AR-92-D5

**Extended Description:**  
D-limonene based ingredient tar remover

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	TECHNICAL QUESTION DUE BY 10AM EST	2026-02-18

**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.

Shawn Campbell, VP Sales  
(Printed Name and Title)  
3601 Fairfield Road, Baltimore, MD 21226  
(Address)  
410-355-0330 // F 410 355 5864  
(Phone Number) / (Fax Number)  
Sales@seaboardasphalt.com  
(E-mail 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; 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; 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Seaboard Asphalt Products Company  
(Company)

Shawn Campbell  
(Signature of Authorized Representative)

Shawn Campbell, VP Sales  
(Printed Name and Title of Authorized Representative)

2/23/26  
(Date)

410-355-0330 // F 410 355 5864  
(Phone Number) (Fax Number)

REQUEST FOR QUOTATION  
ARQM 2600000116 D-LIMONENE BASED INGREDIENT TAR REMOVER

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SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Division of Highways (WV DOH), District Nine (D-9) to establish an open-end contract for Asphalt Release Agent throughout District Nine (9).
  
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 3.1 below and on the Pricing Pages.
  
  - 2.2 **“Pricing Pages”** means the schedule of prices, estimated order quantity, and totals contained in wvOASIS or attached hereto as Exhibit A, and used to evaluate the Solicitation responses.
  
  - 2.3 **“Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
  
3. **GENERAL REQUIREMENTS:**
  - 3.1 **Contract Items and Mandatory Requirements:** Vendor shall provide Agency 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 **D-Limonene Based Ingredients Tar Remover or Equal, supplied in 55- gallon refillable barrel.**
      - 3.1.1.1 Must be 100% biodegradable.
      - 3.1.1.2 Must not be noxious.
      - 3.1.1.3 Must not be reactive under normal condition.
      - 3.1.1.4 Must prevent asphalt and tack oil from sticking onto tools, rakes, lutes, shovels and more.
      - 3.1.1.5 Must be able to use on beds of asphalt trucks. Prevents asphalt from sticking to bed so the entire asphalt load will

REQUEST FOR QUOTATION  
ARQM 2600000116 D-LIMONENE BASED INGREDIENT TAR REMOVER

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slide easily from the truck. Will not adversely affect the asphalt mix or cause environmental concerns.

- 3.1.1.6 Does not contain any petroleum solvents to adversely affect asphalt or the environment. Non-phosphate, biodegradable and free rinsing.
- 3.1.1.7 No wasted time or product caused by “sticking”.
- 3.1.1.8 Product is solvent-free and does not adversely affect asphalt and conforms to regulations pertaining to asphalt construction.
- 3.1.1.9 Equipment may be easily cleaned by simply rinsing with water.
- 3.1.1.10 Does not harm most painted surfaces or most metal surfaces.
- 3.1.1.11 Must be PURE D-Limonene.
- 3.1.1.12 55-gallon refillable barrel.

**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 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 should complete the Pricing Pages by filling in a Unit Price for the requested item. Vendor should 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.

REQUEST FOR QUOTATION  
ARQM 2600000116 D-LIMONENE BASED INGREDIENT TAR REMOVER

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Vendor should electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document. In most cases, the Vendor can request an electronic copy of the Pricing Pages for bid purposes by sending an email request to the following address: DOTPROCUREMENT@WV.GOV.

**5. ORDERING AND PAYMENT:**

- 5.1 Ordering:** Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written form 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 should include in its response a brief description of how Agencies may utilize the on-line ordering system. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency 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 five (5) working days after orders are received. Vendor shall deliver emergency orders within two (2) working day(s) 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 Agency 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 Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency 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 Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency 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.

REQUEST FOR QUOTATION  
ARQM 2600000116 D-LIMONENE BASED INGREDIENT TAR REMOVER

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- 6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and 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 Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.
- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency 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. VENDOR DEFAULT:**

7.1 The following shall be considered a vendor default under this Contract.

- 7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.
- 7.1.2 Failure to comply with other specifications and requirements contained herein.
- 7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
- 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.

REQUEST FOR QUOTATION  
ARQM 2600000116 D-LIMONENE BASED INGREDIENT TAR REMOVER

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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: Shawn Campbell  
Telephone Number: 410 355 0330  
Fax Number: 410 355 5864  
Email Address: Sales@seaboardasphalt.com

ITEM NUMBER	QUANTITY	UNIT OF MEASURE	DESCRIPTION	UNIT PRICE	TOTAL
1	45	DRUM	55 GALLON REFILLABLE DRUM- ASPHALT RELEASE AGENT	\$910.14	\$40,956.30
GRAND TOTAL				\$	40,956.30

# SLIP'N'SLIDE

## Water-soluble Asphalt Release Agent

**SLIP'N'SLIDE** uses a water-soluble, high-performance formula to provide fast and easy removal of asphalt from truck beds.

- Prevents Asphalt from Adhering to Surfaces
- Does Not Affect Asphalt Composition
- Water-soluble Formula



**SAY GOODBYE TO STICKINESS & SLIDE INTO YOUR NEXT PAVING PROJECT WITH SLIP'N'SLIDE!**



## WHERE TO USE

- TRUCK BED
- SIDEWALLS
- SPREADER BAR
- TOOLS
- EQUIPMENT

## DIRECTIONS

**READ ENTIRE PRODUCT LABEL PRIOR TO USE.**

Dilute 1 part **SLIP N'SLIDE** to 40 parts water. The surface to be treated must be clean of all residue and asphalt accumulation. Apply to truck bed, sidewalls, and spreader bar prior to loading with asphalt. **SLIP N' SLIDE** should be dispensed through standard proportioning valves. For best results, fill truck while the coating is still wet.

## TECHNICAL DETAILS

SIZE	PACKAGING	LIQUID COLOR
5 GL	PAIL	PINK
55 GL	DRUM	PINK
275 GL	TOTE	PINK

**Have a whole lot more to clean?**

Call us today to learn about our line of products!

**1-877-4-EMULSO**



ISSUE DATE: September 2013

REVISION DATE: January 2022

VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME SLIP N' SLIDE

### OTHER MEANS OF IDENTIFICATION

SDS Number E-017

Recommended Uses Cleaning agent.

### SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.  
**DBA Emulso**  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889  
COMPANY FAX NUMBER (716) 854-2809  
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)  
NORTH AMERICA 800-535-5053  
INTERNATIONAL 352-323-3500

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**SIGNAL WORD:** Warning

**APPEARANCE:** According to product specification      **PHYSICAL STATE:** Liquid

### PRECAUTIONARY STATEMENTS

**PREVENTION** Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace

**RESPONSE** Immediately call poison center or doctor/ physician.

**IF SWALLOWED** Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

**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

<b>IF ON SKIN/HAIR</b>	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse
<b>IF INHALED</b>	Remove victim to fresh air.
<b>IF EXPOSED/CONCERNED</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up. Keep away from children.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	Harmful to aquatic life with long lasting effects
<b>OTHER INFORMATION</b>	N/A
<b>UNKNOWN ACUTE TOXICITY</b>	N/A

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Sodium dodecyl benzene sulphonate	25155-30-0	1-5
Ethyl Alcohol	64-17-5	<1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Provide this SDS to medical personnel for treatment.
<b>EYE CONTACT</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>SKIN CONTACT</b>	Wash off immediately with plenty of water for at least 15 minutes.
<b>INHALATION</b>	Remove to fresh air.
<b>INGESTION</b>	Clean mouth with water and drink afterwards plenty of water.

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

**SYMPTOMS** Not determined.

**NOTES TO PHYSICIAN** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA** None known

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined

## PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**PERSONAL PRECAUTIONS** Use personal protective equipment as required.  
**ENVIRONMENTAL PRECAUTIONS** See Section 12 for additional Ecological Information.

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

**CONTAMINATION** Prevent further leakage or spillage is safe to do so  
**CLEAN-UP** None known based on information supplied.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**INCOMPATIBLE MATERIALS** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3

**ENGINEERING CONTROLS:** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

<b>EYE/FACE PROTECTION</b>	Refer to 29 CFR 1910.133 for eye and face protection regulations.
<b>SKIN/BODY PROTECTION</b>	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>RESPIRATORY PROTECTION</b>	Refer to 29 CFR 1910.134 for respiratory protection requirements.
<b>GENERAL HYGIENE</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPERANCE</b>	According to product specification
<b>COLOR</b>	Not determined
<b>ODOR</b>	Not determined
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	Not determined
<b>MELTING POINT/FREEZING POINT</b>	Not determined
<b>BOILING POINT/BOILING RANGE</b>	Not determined
<b>FLASH POINT</b>	Not determined
<b>EVAPORATION RATE</b>	Not determined
<b>FLAMMABILITY (SOLID, GAS)</b>	Not determined
<b>UPPER FLAMMABILITY LIMITS</b>	Not determined
<b>LOWER FLAMMABILITY LIMITS</b>	Not determined
<b>VAPOR PRESSURE</b>	Not determined
<b>SPECIFIC GRAVITY</b>	Not determined
<b>RELATIVE DENSITY</b>	Not determined
<b>WATER SOLUBILITY</b>	Not determined
<b>PARTITION COEFFICIENT</b>	Not determined
<b>N-OCTANOL/ WATER</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not determined
<b>DECOMPOSITION TEMPERATURE</b>	Not determined
<b>VISCOSITY</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not reactive under normal conditions
<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	None under normal processing
<b>CONDITIONS TO AVOID</b>	Keep out of reach of children
<b>INCOMPATIBLE MATERIALS</b>	None known based on information supplied.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Avoid contact with eyes.
<b>SKIN CONTACT</b>	Avoid contact with skin.
<b>INHALATION</b>	Do not inhale.
<b>INGESTION</b>	Do not ingest.

### COMPONENT INFORMATION

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium dodecyl benzene sulphonate 25155-30-0	= 500 mg/kg ( Rat ) = 438 mg/kg ( Rat )	-	-
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Sodium xylenesulfonate 1300-72-7	= 1000 mg/kg ( Rat )	-	-

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

### LEGEND

<b>ACGIH</b>	(American Conference of Governmental Industrial Hygienists)
<b>A3</b>	Animal Carcinogen
<b>IARC</b>	(International Agency for Research on Cancer)
<b>Group 1</b>	Carcinogenic to Humans
<b>NTP</b>	National Toxicology Program)
<b>Known</b>	Known Carcinogen
<b>OSHA</b>	(Occupational Safety and Health Administration of the US Department of Labor)
<b>X</b>	Present

**NUMERICAL MEASURES OF TOXICITY-PRODUCT** Not determined.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** Harmful to aquatic life with long lasting effects.

### COMPONENT INFORMATION

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium dodecyl benzene sulphonate <b>25155-30-0</b>	-	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-
Ethyl Alcohol <b>64-17-5</b>	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

**PERSISTENCE AND DEGRADABILITY** Not determined  
**BIOACCUMULATION** Not determined

### MOBILITY

Chemical Name	Partition Coefficient
Ethyl Alcohol <b>64-17-5</b>	-0.32

**OTHER ADVERSE EFFECTS** Not determined

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**WASTE DISPOSAL** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**CONTAMINATED PACKAGING** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### CALIFORNIA HAZARDOUS WASTE STATUS

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol <b>64-17-5</b>	Toxic Ignitable

## 14. TRANSPORT INFORMATION

**NOTE** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

Not regulated

### IATA

Not regulated

### IMDG

**Marine Pollutant** This material may meet the definition of a marine pollutant.

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium dodecyl benzene	Present	X		Present		Present	X	Present	X	X
sulphonate	Present	X		Present		Present	X	Present	X	X

### LEGEND

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(B) Inventory
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing/Notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances
<b>IECSC</b>	China Inventory of Existing Chemical Substances
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances
<b>AICS</b>	Australian Inventory of Chemical Substances

## U.S. FEDERAL REGULATIONS

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium dodecyl benzene sulphonate <b>25155-30-0</b>	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372



# Safety Data Sheet

## CLEAN WATER ACT (CWA)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium dodecyl benzene sulphonate	1000 lb	-	-	X

## U.S. STATE REGULATIONS

### CALIFORNIA PROPOSITION 65

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethyl Alcohol 64-17-5	Carcinogen Developmental

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

This product does not contain any substances regulated under applicable state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium dodecyl benzene sulphonate 25155-30-0	X	X	X
Ethyl Alcohol 64-17-5	X	X	X

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>INSTABILITY</b>	<b>SPECIAL HAZARDS</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>PHYSICAL HAZARDS</b>	<b>PERSONAL PROTECTION</b>
	Not determined	Not determined	Not determined	Not determined

## DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge 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.

**END OF SAFETY DATA SHEET**