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## SAFETY DATA SHEET

### DEL-PHALT

SDS Revision Date: 12/29/2015

#### 1. - IDENTIFICATION

##### 1.1 Product identifier

**Product Identity**

DEL PHALT

**Alternate Names**

Blended Sulfonated Asphalt

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

**Intended use**

See Technical Data Sheet

**Application Method**

See Technical Data Sheet

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

**Company Name**

Delta Drilling Products & Services, LLC  
154 Eastpark Dr.  
Eunice, LA 70535

**Emergency****CHEMTREC (USA)**

(800) 424-9300

**24 HOUR EMERGENCY Telephone No.**

International +1-703-527-3887

**Customer Service:**

(866) 457-0064

#### 2. - HAZARD(S) IDENTIFICATION

##### 2.1. Classification of the substance or mixture

No applicable GHS categories.

##### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows:

No applicable GHS categories.

**[Prevention]:**

No GHS prevention statements

**[Response]:**

No GHS response statements

**[Storage]:**

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

### 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
Asphalt, Sulfonated, sodium salt CAS Number: 0068201-32-1	80 - 95	Not Classified	[1]
Humalite CAS Number: 0129521-66-0	< 15	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

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

### 4. – FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

##### Inhalation

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

##### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

##### Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

##### Ingestion

Do not induce vomiting. Do not give anything medical to an unconscious person. check for breathing and heart function and obtain medical attention. If conscious, give ¾ liter of water to drink immediately and repeated drinks of water at a rate of a cupful every 10 minutes. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present this SDS to a physician.

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

##### Overview

**Eyes and Skin:** May cause irritation with prolonged contact.

### 5. - FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

Carbon Dioxide, Foam, Chemical Powders

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

Hazardous decomposition: Product does not decompose.

#### 5.3. Advice for fire-fighters

Use protection for the respiratory tract. Cool the containers exposed to the fire with water.

Avoid sprayed water to direct contact with the product.

Avoid inhaling the fumes and vapors.

**ERG Guide no.** ----

## 6. - ACCIDENTAL RELEASE MEASURES

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

Remove sources of ignition, do not turn light or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit before re-entering.

### 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

#### Measures for personal safety:

Use a mask, gloves and protective clothing. Where exposure level is not low, wear approved positive pressure, self-contained respirator. Where exposure level is low, wear approved respirator suitable for level of exposure. Wear impermeable boots.

#### Cleaning Methods:

Product may cause a slip hazard. Spilled material should be absorbed onto an inert material and scooped up. Flush spill area with water. Rapidly recover the product. To do so, wear a mask and protective clothing. Stop it from entering into drainage system with sand or earth. Recover the product for re-use if possible, or for elimination. Rinse area with water.

## 7. - HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Avoid inhalation. Do not eat or drink while working. Follow the industrial hygiene norms.

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

Do not use Iron, copper, or aluminum containers or equipment to avoid product degradation. Store in plastic containers in a well ventilated

Incompatible materials: Incompatible with acids.

### 7.3. Specific end use(s)

No data available.

## 8. - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0068201-32-1	Ashpalt, sulfonated, sodium salt	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
0068201-32-1	Ashpalt, sulfonated, sodium salt	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; 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>	Use goggles or face shield if splashing is likely.
<b>Skin</b>	Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Wear impervious gloves.
<b>Engineering Controls</b>	Give adequate ventilation, have respiratory protection available.
<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.

See section 2 for further details. –[Prevention]:

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Brown to Black powder
<b>Odor</b>	Unknown
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not measured
<b>Melting point / freezing point</b>	Not measured
<b>Initial boiling point and boiling range</b>	Not measured
<b>Flash Point</b>	Not measured
<b>Evaporation rate (Ether = 1)</b>	Not measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	Not measured
<b>Vapor pressure (Pa)</b>	Not measured
<b>Vapor Density</b>	Not measured
<b>Specific Gravity</b>	Not measured
<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

### 9.2. Other Information

No other relevant information.

## 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**

Incompatible with acids.

**10.6. Hazardous decomposition products**

Product does not decompose.

## 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
Asphalt, sulfonated, sodium salt - (68201-32-1)	No data available	No data available	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	---	Not Applicable
Serious eye damage, irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
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

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity**

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

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Asphalt, sulfonated, sodium salt - (68201-32-1)	Not Available	Not Available	Not available

**12.2. Persistence and Degradability**

There is no data available on the preparation itself.

### 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.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment methods

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

## 14. TRANSPORT INFORMATION

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMP / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN Number</b>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

## 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 Classification</b>	Not Regulated
<b>US EPA Tier II Hazards</b>	
	<b>Fire:</b> No
	<b>Sudden Release of Pressure:</b> No
	<b>Reactive:</b> No
	<b>Immediate (Acute):</b> No
	<b>Delayed (Chronic):</b> No

### EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 – Carcinogens (>0.00%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute

**Proposition 65 – Developmental Toxins (>0.00%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 – Female Repro Toxins (>0.00):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 – Male Repro Toxins (>0.00%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## 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: Not applicable

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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