



# MATERIAL SAFETY DATA SHEET

P.O. BOX 1603  
EUNICE, LA 70535  
866-457-0064 or 337-457-0064

## DEL LUBE 225 N

### SECTION I - IDENTIFICATION

Manufacturer's Name: Delta Drilling Products & Services, LLC  
Physical Address: 154 Eastpark Drive  
Eunice, LA 70535  
Emergency Number: 866-457-0064 or 337-457-0064  
Trade Name: Del Lube 225 N

### SECTION II - INGREDIENTS

| INGREDIENTS                               | CAS#      | CONCENTRATION |
|---|-----------|---------------|
| Base Oil                                  |           | 100 % volume  |
| Hydro treated heavy paraffinic distillate | 64742-547 | 100 % volume  |

### SECTION III - HAZARDS IDENTIFICATION

Emergency Overview: Dark, free-flowing powder. May irritate skin, eyes or respiratory system. Toxic byproducts  
may be released upon combustion.

### SECTION IV - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Appearance & Odor: Bright and clear liquid. Slight Hydrocarbon Odor  
Health Hazard: No known immediate health hazards. May be harmful or fatal if swallowed. Do not induce vomiting. May cause aspiration pneumonitis.  
Physical Hazards: No known physical hazards.  
NFPA Rating (Health, Fire Reactivity): 0, 1, 0  
Hazard rating: Least - 0      Slight - 1      Moderate - 2      High - 3      Extreme - 4

Inhalation: Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.  
Eye Irritation: Lubricating oils are generally considered no more than minimally irritating to the eyes.  
Skin Contact: Lubricating oils are generally considered no more than minimally irritating to the skin. Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis or oil acne.  
Ingestion: This material may be harmful or fatal if swallowed. Ingestion may result in vomiting, aspiration (breathing) of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis.  
Signs and Symptoms: Irritation as noted above. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin); in severe cases death may occur.  
Aggravated Medical Conditions: Pre existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

***For additional health information, refer to section 11.***

## SECTION V - FIRST AID MEASURES

|             |   |
|-------------|---|
| Inhalation: | Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.   |
| Skin:       | Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. |
| Eye:        | Flush with water. If irritation occurs, get medical attention.  |
| Ingestion:  | Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.   |

## SECTION VI - FIRE FIGHTING MEASURES

|                             |   |
|-----------------------------|---|
| Flash Point (Method)        | 406°F/207.78°C (Cleveland Open Cup)   |
| Extinguishing Media:        | Material will float and can be re-ignited on surface of water. Use water fog, alcohol foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames. Do not use direct stream of water.  |
| Fire Fighting Instructions: | Material will not burn unless preheated. Clear fire area of all non-emergency personnel. Only enter confined fire space with full gear, including a positive pressure, NIOSH-approved, self-contained breathing apparatus. Cool surrounding equipment, fire-exposed containers and structures with water. Container areas exposed to direct flame contact should be cooled with large quantities of water (500 gallons of water per minute flame impingement exposure) to prevent weakening of container structure. |

## SECTION VII - ACCIDENTAL RELEASE MEASURES

|  |   |
|--|---|
| Protective Measures:   | May burn although not readily ignitable.<br>Wear appropriate personal protective equipment when cleaning up spills. Refer to section VIII.  |
| Spill Management:  |   |
| For Large Spills:  | Remove with vacuum truck or pump to storage/salvage vessels.  |
| For Small Spills:  | Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.   |
| Reporting:   |   |
| CERCLA:  | Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund). |
| CWA:   | This product is an oil as defined under Section 311 of EPA's Clean Water Act  |
| (CWA). Spills into or leading to sheen must be reported to the National Response Center, | surface waters that cause a<br>1-800-424-8802.  |

## SECTION VIII - HANDLING & STORAGE

|                         |   |
|-------------------------|---|
| Precautionary Measures: | Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. |
| Storage:                | Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.   |

Container Warnings: Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

## SECTION IX - EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical          | Limit     | TWA                 | STEL                 | Calling | Notation |
|-------------------|-----------|---------------------|----------------------|---------|----------|
| Oil mist, mineral | ACGIH TLV | 5 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |         |          |
| Oil mist, mineral | OSHA PEL  | 5 mg/m <sup>3</sup> |                      |         |          |

### EXPOSURE CONTROLS

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

### PERSONAL PROTECTION

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selections of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection: Safety Glasses with side shields.

Skin Protection: Use protective clothing with is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits, and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

**Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by:**

*Neoprene, or Nitrile Rubber.*

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910-134.

**Types of respirator(s) to be considered in the selection process include:**

*For Mist: Air purifying, R or P style NIOSH approved respirator*

*For Vapors: Air Purifying, R or P style pre filter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus.*

## SECTION X - PHYSICAL & CHEMICAL PROPERTIES

|                            |                            |
|----------------------------|----------------------------|
| Appearance:                | Bright and clear liquid    |
| Odor:                      | Slight Hydrocarbon Odor    |
| Substance Chemical Family: | Petroleum Hydrocarbon      |
| Specific Gravity:          | 0.8405                     |
| Viscosity:                 | 18 cSt – 22 cSt @ 40°C     |
| Flash Point:               | 406°F (Cleveland Open Cup) |

## SECTION XI - STABILITY & REACTIVITY

Stability: Material is stable under normal conditions.

Conditions to Avoid: Avoid heat and open flames.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gasses will evolve when this material undergoes pyrolysis or combustion. Carbon

Monoxide and other unidentified organic compounds may be formed upon combustion.

## SECTION XII - TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

| TEST        | RESULT             | OSHA CLASSIFICATION | MATERIAL TESTED               |
|-------------|--------------------|---------------------|-------------------------------|
| Dermal LD50 | >5.0 g/kg (rabbit) | Non-Toxic           | Based on similar material(s). |
| Oral LD50   | >5.0 g/kg (rat)    | Non-Toxic           | Based on similar material(s). |

### CARCINOGENICITY CLASSIFICATION

| CHEMICAL NAME | NTP | IARC | ACGIH | OSHA |
|---------------|-----|------|-------|------|
| Base Oil      | NO  | No   | No    | No   |

**Sensitization: Material is non-sensitizing to skin.**

## SECTION XIII - ECOLOGICAL INFORMATION

Environmental Impact Summary:

There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.

## SECTION XIV - DISPOSAL CONSIDERATION

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA state and local regulations regarding proper disposal.

## SECTION XV - TRANSPORT INFORMATION

US Department of Transportation Classification:

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

International Air Transport Association:

Not regulated under IATA rules.

International Maritime Organization Classification:

Not regulated under International Maritime Organization rules.

## SECTION XVI - REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

OSHA Classification:

Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 19.10.1200. because it carries the occupational exposure limit for mineral oil mist.

Ozone Depleting Substances: (40 CFR 82 Clean Air Act):

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title II:

There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312):

| Immediate Health | Delayed Health | Fire | Pressure | Reactivity |
|------------------|----------------|------|----------|------------|
| NO               | NO             | NO   | NO       | NO         |

SARA Toxic Release Inventory (TRI) (313):

There are no components in this product on the SARA 313 List.

Toxic Substances Control Act (TSCA) status:

This material is listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories:

Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Japan ENCS, Korean Inventory, Philippines PICCS.

#### STATE REGULATION

This material is not regulated by California Prop 65, New Jersey Right-to-Know Chemical List or Pennsylvania Right-To-Know Chemical List. However for details on your regulation requirements you should contact the appropriate agency in your state.

---

### SECTION XVII - OTHER INFORMATION

HMIA Rating (Health, Fire, Reactivity): 0, 1, 0

Revision #: 2

Revision Date: 07/05/2001

Revisions since last change (discussion) This material Safety Data Sheet has changed because Equiva Services LLC, has implemented new software to generate the sheet. There will be slight differences in the hazard and precautionary language as we incorporate the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998). There are no significant changes to the health, safety or precautionary messages. We encourage you to take the opportunity to reread the sheet and review the information contained.

### SECTION XVIII - LABEL INFORMATION

Read and understand material safety data sheet before handling or disposing of product. This label complies with the requirements of the OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) for the use in the workplace. This label is not intended to be used with packaging intended for sale to consumers and may not conform with the requirements of the consumer product safety act or other related regulatory requirements.

**CAUTION!**

**ASPIRATION HAZARD IF SWALLOWED – CAN ENTER LUNGS AND CAUSE DAMAGE, PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DERMATITIS.**

**PRECAUTIONARY MEASURES:**

Avoid prolonged or repeated contact with eyes, skin and clothing. Do not take internally. Wash thoroughly after handling.

**FIRST AID:**

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.  
Skin Contact: Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.  
Eye Contact: Flush with water. If irritation occurs, get medical attention.  
Ingestion: Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.

**FIRE:**

In case of fire, use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames; do not use a direct stream of water. Material will float and can be re-ignited on surface of water.

**SPILL OR LEAK:**

Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Contains: Hydro treated heavy paraffinic distillate, 64742-54-7

NFPA Rating (Health, Fire, Reactivity): 0, 1, 0

HMIS Rating (Health, Fire, Reactivity): 0, 1, 0

**TRANSPORTATION:**

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

---

**CAUTION:** Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flames or heat. Keep container closed and drum bungs in place.

The information herein is furnished without warranty of any kind. Employers should use this information only as supplemental to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. DELTA DRILLING PRODUCTS & SERVICES, LLC assumes no responsibility and denies all liability for any loss, damage or expense connected with the customers methods of handling, storage, use and disposal of this product.