



# MATERIAL SAFETY DATA SHEET

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

## LVT 200

### SECTION I - PRODUCT & COMPANY IDENTIFICATION

**Product Name:** LVT 200  
**Responsible Party:** Delta Drilling Products & Services, LLC  
154 Eastpark Street  
Eunice, Louisiana 70535  
**Customer Service:** 866-457-0064  
**Technical Information:** 800-245-3952

### EMERGENCY OVERVIEW

**24 Hour Emergency Telephone Numbers:** Spill, Leak, Fire or Accident Call CHEMTREC:  
North America: (800) 424-9300  
Others: (703)527-3887 (collect)

California Poison Control System: (800) 356-3129

**Health Hazards/Precautionary Measures:** Aspiration hazard if swallowed. Can enter lungs and cause damage.

Avoid contact with eyes, skin and clothing: Wash thoroughly after handling. Do not taste or swallow.

**Physical Hazards/Precautionary Measures:** Keep away from all sources of ignition.

**Appearance:** Clear, colorless  
**Physical Form:** Liquid  
**Odor:** Negligible

### NFPA 704 HAZARD CLASS:

#### Legend

(0) Least	Health:	1
(1) Slight	Flammability:	1
(2) Moderate	Instability:	0
(3) High		
(4) Extreme		

### SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

#### NON-HAZARDOUS COMPONENTS:

<u>Component</u>	<u>Concentration</u> (wt %)	<u>ACGIH:</u>	<u>OSHA:</u>	<u>NIOSH:</u>	<u>Other:</u>
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**Note:** State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

1%=10,000 PPM

NE=Not Established

### SECTION III – HAZARDS IDENTIFICATION

#### Potential Health Effects:

Eye:	Contact may cause mild eye irritation including stinging, watering, and redness.
Skin:	Contact may cause mild skin irritation including redness, and a burning sensation. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin leading to dermatitis (inflammation). No harmful effects from skin absorption are expected.
Inhalation(Breathing):	Expected to have a low degree of toxicity by inhalation.
Ingestion (Swallowing):	Low degree of toxicity by ingestion. ASPIRATION HAZARD – This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
Signs And Symptoms:	Effects of overexposure may include irritation of the respiratory tract, irritation of the digestive tract, nausea, vomiting, transient excitation followed by signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).
Cancer:	There is inadequate information to evaluate the cancer hazard of this material. See Section 11 for information on the individual components, if any.
Target Organs:	Inadequate data available for this material.
Developmental:	Inadequate data available for this material.
Pre-Existing Medical Conditions:	Conditions aggravated by exposure may include skin disorders.

### SECTION IV - FIRST AID MEASURES

<b>Eye:</b>	If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.
<b>Skin:</b>	Wipe material from skin and remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water and, if necessary, a

waterless  
skin cleanser. If irritation or redness develops and persists, seek medical attention.

**Inhalation (Breathing):** If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**Ingestion (Swallowing):** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

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## SECTION V - FIRE-FIGHTING MEASURES

### FLAMMABLE PROPERTIES:

<b>Flash Point:</b>	>200°F/93°C
<b>Test Method:</b>	Pensky-Martens Closed Cup (PMCC), ASTM D93, EPA 1010
<b>OSHA Flammability Class:</b>	Not applicable
<b>LEL (vol % in air):</b>	1.0
<b>UEL (vol % in air):</b>	6.0
<b>Autoignition Temperature:</b>	No data

**Unusual Fire & Explosion Hazards:** This material may burn, but will not ignite readily. If container is not properly cooled, it can rupture in the heat of a fire. Vapors are heavier than air and can accumulate in low areas.

**Extinguishing Media:** Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

**Fire Fighting Instructions:** For fires beyond the incipient stage, emergency responders in the immediate hazard areas should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release.

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, or unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended.

## SECTION VII - HANDLING AND STORAGE

**Handling:** Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29 CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Use good personal hygiene practices.

“Empty” containers retain residue and may be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. “Empty” drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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**Storage:** Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional engineering controls may be required.

### Personal Protective Equipment (PPE):

**Respiratory:** The use of respiratory protections is advised when concentration are expected to exceed the established exposure limits (see Section 2). Depending on the airborne concentration, use a respirator with organic vapor cartridges (NIOSH certified) or supplied-air equipment.

**Skin:** The use of nitrile gloves impervious to the specific material handled is advised to prevent skin contact,

Possible irritation, and skin damage (see glove manufacturer literature for information on permeability). Depending on conditions of use, nitrile apron and/or arm covers may be necessary.

**Eye/Face:** Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

**Other Protective Equipment:** A source of clean water should be available in the work area for flushing eyes

And skin. Impervious clothing should be worn as needed.

Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**NOTE:** Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Appearance-----	Clear, colorless
Physical Form-----	Liquid
Odor-----	Negligible
Odor Threshold-----	No data
pH:-----	No data
Vapor Pressure (mm Hg)-----	<0.1mm Hg @ 68°F
Vapor Density (air=1)-----	6.2
Boiling Point/Range-----	440-550°F/226.7-287.8°C
Melting/Freezing Point:-----	Not applicable
Solubility in Water-----	Insoluble
Partition Coefficient (n-octanol/water) (Kow)-----	No data
Specific Gravity-----	0.82-0.83
Percent Volatile-----	No data
Evaporation Rate (nBuAc+1)-----	No data
Flash Point-----	>200°F/93°C
Test Method-----	Pensky-Martens Closed Cup (PMCC), ASTM D93, EPA
1010	
LEL (vol % in air)-----	1.0
UEL (vol % in air)-----	6.0
Autoignition Temperature-----	No data
Decomposition Temperature:-----	No data

## SECTION X - STABILITY AND REACTIVITY

**Stability:** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Conditions to Avoid:** Avoid all possible sources of ignition (see Sections 5 and 7).

**Materials to Avoid (Incompatible Materials):** Avoid contact with strong oxidizing agents, strong reducing agents.

**Hazardous Decomposition Products:** Combustion can yield carbon dioxide and carbon monoxide.

**Hazardous Polymerization:** Will not occur.

## SECTION XI - TOXICOLOGICAL INFORMATION

### CHRONIC DATA:

#### **Hydrotreated Distillate, Light ..C9-16 64742-47-8**

**Carcinogenicity:** Prolonged and repeated skin exposure of mice to certain middle distillate streams has resulted

In dermatitis, which has been associated with the promotion of skin tumors via a non-geotoxic mechanism.

This

Material has not been identified as a carcinogen by NTP, IARC or OSHA.

### ACUTE DATA:

#### **Hydrotreated Distillate, Light ..C9-16 64742-47-8**

Dermal LD50= >2g/kg (Rabbit) (Based on similar material)

Inhalation LC50 =>5mg/L (4-hr., Rat) (Based on similar material)

Oral LD50= >5g/kg (Rat) (Based on similar material)

## SECTION XII - ECOLOGICAL INFORMATION

Not evaluated.

## SECTION XIII - DISPOSAL CONSIDERATION

This material, if discarded as produced, is not a RCRA "listed" hazardous waste. However, it should be fully evaluated for hazardous waste characteristics prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered by a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

## SECTION XIV - TRANSPORTATION INFORMATION

### DOT

**Shipping Description:** Not regulated

**Note:** Material is unregulated unless shipped by land in a packaging having a capacity of 3,500 gallons or more. Then the provisions of 49 CFR, Part 130 apply.

### IMDG

**Shipping Description:** Not regulated. Flash point is above 61°C, CC.

### ICAO/IATA

**UN/ID #:** Not regulated. Flash point is above 61°C, CC.

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SECTION XV – REGULATORY INFORMATION
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**U.S. REGULATIONS:**

**CERCLA/SARA – Section 311/312 (Title III Hazard Categories):**

Acute Health	No
Chronic Health	No
Fire Hazard	No
Pressure Hazard	No
Reactive Hazard	No

**CERCLA/SARA – Section 313 and 40 CFR 372:**

This material contains the following chemicals subject to the reporting requirements of SARA 313 AND 40 CFR 372:

--None Known--

**EPA (CERCLA) Reportable Quantity (in pounds):**

--None Known--

**CERCLA/SARA – Section 302 Extremely Hazardous Substances and TPQs (in pounds):**

This material contains the following chemicals subject to the reporting requirements of SARA 302 AND CFR 372:

--None Known--

**California Proposition 65:**

Warning: This material contains the following chemicals which are known to the State of California to cause

Cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65

(CA Health & Safety Code Section 25249.5):

--None Known--

**Carcinogen Identification:**

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any.

**TSCA:**

All components are listed on the TSCA inventory.

**INTERNATIONAL REGULATIONS:**

**Canadian Regulations:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class:** Not Regulated

**International Inventories:**

Australia (AICS)  
Canada (DSL)  
China  
Europe (EINECS)

Japan (ENCS)  
Korea (ECL)  
Phillippines (PICCS)

**Export Control Classification Number:** EAR99

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SECTION XIV – OTHER INFORMATION
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Issue Date----- 14-Jun-2006  
Previous Issue Date----- 04-Jun-2001  
Revised Sections or Basis for Revision----- Periodic review and update  
MSDS Code----- 776522

**Disclaimer of Expressed and Implied Warranties:**

The information presented in the Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. **However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of the information provided above, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.** No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

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