



# MATERIAL SAFETY DATA SHEET

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

## DEL ZAN L

### 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  
Product Name: Del Zan Liquid  
Product Description: A suspension of xanthan gum is an organic solvent gel

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS Number	%	TWA	STEL	TWA	STEL
Dipropylene Glycol	34590-94-8		60	100ppm	150ppm	100ppm
Methyl Ether						
Zanthan Gum	11138-66-2	N/E	40	N/E	N/E	N/E

### SECTION III - HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of Overexposure:  
Inhalation: This product may cause irritation to nose, throat, and respiratory tract.  
Eye Contact: Irritation to Eyes  
Ingestion: There may be irritation of the mouth, throat, and digestive tract.

### SECTION IV - FIRST AID MEASURES

Eyes: Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.  
Inhalation: Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.  
Skin: Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.  
Ingestion: Drink plenty of water. Seek medical attention.

### SECTION V - FIREFIGHTING MEASURES

Fire fighting measures:  
Extinguishing Media: Use powder, foam, or CO<sub>2</sub>. do not use water jet (may spread fire).  
Decomposition/Combustion Products: Oxides of carbon.

Special Fire Fighting Procedures: Water spray to cool drums.  
Explosive Properties: LEL: N/D  
UEL: N/D

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### Steps to be taken if material is released or spilled:

Use proper personal protective equipment. Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Use sand or other inert material to contain and soak up spill.

### Waste disposal Method:

Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

## SECTION VII - HANDLING AND STORAGE

**Handling:** Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well-ventilated workspace. When handling, do not eat, drink or smoke.

**Storage:** Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry place.

**Other Precautions:** Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other sources of ignition.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation:** Keep work area well ventilated.

**Protective Clothing:** Impermeable gloves and impervious clothing as appropriate.

**Eye Protection:** Chemical goggles were splashing may occur.

**Respiratory Protection:** Use appropriate respiratory protection when handling or in case of insufficient ventilation.

**Special Protection:** Safety shower, eye bath, and washing facilities should be available.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Cream-colored fluid suspension

Odor: Ether-like

PH: Approx. neutral (as a 1% solution)

Specific Gravity: @ 75°F (H<sub>2</sub>O = 1): Approx. 1.1

Solubility in Water: Soluble in water.

Flash Point (°F): Approx. 160

Boiling Point (°F): >300

Freezing Point (°F): below -100

Vapor Density (Air = 1): N/D

Vapor Pressure @ 75: 0.4mmHg

Evaporation Rate: N/D

Auto-Ignition: N/D

## SECTION X - STABILITY AND REACTIVITY

Stability & Reactivity: Stable in normal conditions

Incompatibility with other Materials: Strong oxidizing agents  
Hazardous Decomposition Products: Smoke, carbon oxides.  
Hazardous Polymerization: None described.

## SECTION XI - TOXICOLOGICAL INFORMATION

### Dipropylene Glycol Methyl Ether:

This component may cause eye and skin irritation. It possesses narcotic-like properties; excessive exposure may result in headache, dizziness, incardination, nausea, loss of appetite, and loss of consciousness.

Single-dose (acute) animal studies indicate that this material is practically nontoxic orally (rats) and after skin application (rabbits). Observations in animals include minor liver and kidney effects. No adverse genetic changes were reported in standard tests using animal cells.

### Xanthan Gum:

Oral-rat LD50: >5,000 mg/kg  
Eye Irritation-rabbit: not irritating  
Skin Irritation-rabbit: not irritating

No skin allergy was observed in guinea pigs following repeated skin exposure.

No adverse effects were observed in long-term feeding studies with rats (up to 1,000 mg/kg/day) and dogs (up to 1,000 mg/kg/day). No adverse effects were observed in a 3-generation reproduction study with rats (up to 500 mg/kg/day)/

## SECTION XII - ECOLOGICAL INFORMATION

Aquatic Toxicity: 96 HR LC50 (mysid shrimp, using 5% Del Zan L in a standard drilling mud): 750,000 ppm suspended particle phase.

## SECTION XIII - DISPOSAL CONSIDERATION

Disposal Information: If spilled, dispose according to local regulations. Recycle waste containers and clean out residues.

## SECTION XIV - TRANSPORTATION INFORMATION

DOT Shipping Name: Not Regulated in Non-Bulk Packaging

## SECTION XV – REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ-40 CFR 302.4 (a): Component: None  
CERCLA RQ

SARA 302 Components-40 CFR 355 Appendix A: None  
Section 311/312 Hazard Class-40 CFR 370.2

Immediate (X)                      Delayed ( )  
Fire (X)                              Reactive ( )  
Sudden Release of Pressure ( )

SARA 313-40 CFR 372.65                      Component: None  
CAS Number: N/A

## SECTION XIV – OTHER INFORMATION

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each product or product combination for their own purposes. Unless otherwise obtained in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from handling and use of our products, whether used alone or in combination with other products.

N/D = No Data, N/A = Not Available, N/E = Not Established

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