



# MATERIAL SAFETY DATA SHEET

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

## DEL EZ POLY-PLUS

### SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name: Del EZ Poly-Plus  
Chemical Family: Mixture  
Product Use: Oil well drilling fluid additive. Shale control agent.  
Emergency Telephone: (337)457-0064  
Supplied by: Delta Drilling Products  
154 Eastpark Drive  
Eunice LA 70535  
Telephone Number: (337)457-0064  
Contact Person: Blair Fontenot, Vice President

Revision Number: 4

#### HMIS Rating

Health: 1      Flammability: 1      Physical Hazard: 0      PPE: J

HMIS Key: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal Hazard

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Wt. %	Comments
Anionic polyacrylamide		20-40	No comments.
Petroleum distillates, Hydro treated light	64742-47-8	20-40	No comments

### SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview:** Caution! May cause eye, skin and respiratory tract irritation. Vapors or mists may cause effects if inhaled. central nervous system (CNS)

#### Canadian Classification:

*UN PIN No:* Not regulated      *WHMIS Class:* D2B

**Physical State:** Liquid      **Odor:** Hydrocarbon      **Color:** White

#### Potential Health Effects:

##### Acute Effects

Eye Contact: May irritate eyes.  
Skin Contact: May be irritating to the skin. Prolonged or repeated contact may cause defatting of the skin and/or dermatitis (inflammation).  
Inhalation: Overexposure to vapors and mists which may be released at high temperatures may cause respiratory tract irritation. central nervous system (CNS) effects and

Ingestion: May cause gastric distress, nausea and vomiting if ingested. Aspiration can be a hazard if this material is swallowed.

**Acute Effects Note:** This product may release ammonia or amines when heated or exposed to high pH. Ammonia is a severe eye, skin and respiratory irritant. Ammonia has a very strong odor and can be detected at levels as low as 5 ppm. Many amines are also eye, skin and respiratory irritants

Carcinogenicity & Chronic Effects: See Section 11 – Toxicological Information  
Routes of Exposure: Eyes. Dermal (skin) contact. Inhalation  
Target Organs/Medical Conditions Aggravated  
By Overexposure: Eyes. Skin. Respiratory system. Central Nervous System (CNS).

#### SECTION IV – FIRST AID MEASURES

**Eye Contact:** Promptly wash eyes with lots of water while lifting eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.  
**Skin Contact:** Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if any discomfort continues.  
**Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion:** Do not induce vomiting. Dilute with 2 – 3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. Get medical attention  
**General Notes:** Persons seeking medical attention should carry a copy of this MSDS with them.  
**Notes to Physician:** Aspiration may cause severe lung damage. Evacuate stomach in a way which avoids aspiration.

#### SECTION V - FIRE FIGHTING MEASURES

##### Flammable Properties

Flash Point: F (C): >200 F (93C)  
Flash Point Method: PMCC

Flammability Limits in Air – Lower (%): ND  
Flammability Limits in Air – Upper (%): ND  
Auto Ignition Temperature F (C): ND  
Flammability Cases: IIIB  
Other Flammable Properties: ND  
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.

##### Protection Of Fire Fighters:

##### Special Fire-Fighting Procedures:

Do not enter fire area without proper personal protective equipment, including NOISH/MSHA approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run off out of sewers and waterways.

Hazardous Combustion Products: Ammonia. Oxides of carbon and nitrogen.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use Personal protective equipment identified in Section 8.

**Spill Procedures:** Evacuate surrounding area, if necessary. Spilled product is very slippery. Keep personnel removed and upwind of spill. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Shut off leak if it can be done safely. Contain spilled material. Absorb in vermiculite, dry sand and earth. Place into

containers for disposal.

### Environmental Precautions:

Do not allow to enter sewer or surface and subsurface waters. Waste must be disposed of in accordance with federal, state and local laws. In the U.S., for products with reportable quantities (RQ) components – if the RQ is exceeded, report to National Spill Response Office at 1-800-424-8802.

## SECTION VII - HANDLING AND STORAGE

**Handling:** Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Use only in a well ventilated area. Spilled product is very slippery. Wash thoroughly after handling.

**Storage:** Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits (TLV & PEL – 8H TWA):

<b>Ingredient</b>	<b>CAS No.</b>	<b>Wt. %</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>Other</b>	<b>Notes</b>
Anionic polyacrylamide		20-40	NA	NA	NA	(1) (6)
Petroleum distillates, Mist hydro treated light	64742-47-8	20-40	NA	NA	NA	(3) Oil

### Notes:

(1) Control as an ACGIH particulate not otherwise specified (PNOS): 10 mg/m<sup>3</sup> (Inhalable); 3 mg/m<sup>3</sup> (Respirable) and an OSHA particulate not otherwise regulated (PNOR): 15 mg/m<sup>3</sup> (Total); 5 mg/m<sup>3</sup> (Respirable).

(3) For Oil mist, mineral: ACGIH TLV 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>; OSHA PEL 5 mg/m<sup>3</sup>

(6) Ammonia or amines may be released when this component is heated or exposed to high pH. The recommended exposure limits for ammonia are ACGIH TLV 25 ppm and OSHA PEL 50 ppm. No general recommended exposure limit is available for amines. A NIOSH/MSHA approved respirator with ammonia/methylamine cartridges should be used to protect against ammonia or amine inhalation exposure.

Engineering Controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

### Personal Protection Equipment

Eye/Face Protection: Wear chemical safety goggles.

Skin Protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as nitrile or neoprene.

Respiratory Protection: *If exposed to particulates/aerosols:*  
Use at least a NIOSH-approved N95 half-mask disposable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator.

*If exposed to organic vapors:*  
Use a NIOSH/MSHA-approved organic vapor respirator. CCROV: CCR with organic vapor cartridge.

A NIOSH/MSHA approved respirator with ammonia/methylamine cartridges should be used to protect against ammonia or amine inhalation exposure.

General Hygiene Considerations: Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Color:	White
Odor:	Hydrocarbon
Physical State:	Liquid
pH:	6 – 9.5
Specific Gravity (H <sub>2</sub> O = 1):	~1
Solubility (Water):	Slightly
Flash Point: °F (°C):	> 200°F (93°C)
Melting/Freezing Point:	32°F (0°C)
Boiling Point:	200°F (100°C) at 760 mmHg
Vapor Pressure:	>0.13 at 68°F (20°C)
Vapor Density (Air=1):	ND
Evaporation Rate:	ND
Odor Threshold(s):	ND

## SECTION X - STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Keep away from heat, sparks and flame.
Materials to Avoid:	Oxidizers
Hazardous Decomposition Products:	Will not occur.

## SECTION XI - TOXICOLOGICAL INFORMATION

Component Toxicological Data: Any adverse component toxicological effects are listed below. If no effects are listed, no such data were found.

<b>Ingredient</b>	<b>CAS No.</b>	<b>Acute Data</b>
Petroleum distillates, hydro treated g/kg light	64742-47-8	Oral LD50: >39.9 g/kg (rat); Dermal LD50:2.0 – 4.0 (rabbit; Inhalation LC50:>24.1 mg/l/1h (rat))

### **Product Toxicological Information:**

Do not use. Use TXINFO19. this product may contain trace amounts (<0.1%) of acrylamide. The International Agency for Research on Cancer (IARC) has designated acrylamide a Group 2A (probably carcinogenic to humans). This designation was based on sufficient evidence in experimental animals for the carcinogenicity of arylamide (IARC Vol. 60, 1994, p. 389).

The National Toxicology Program (NTP) classifies acrylamide as “reasonably anticipated to be a human carcinogen” based on sufficient evidence of carcinogenicity in experimental animals (10<sup>th</sup> annual Report on Carcinogens, 2002). Acrylamide is a possible mutagen (promotes a mutation (change in chemistry of a gene) (IARC Vol. 60, 1994, p. 389).

## SECTION XII - ECOLOGICAL INFORMATION

<b>Ingredient</b>	<b>CAS No.</b>	<b>Data</b>
Petroleum Distillates, 5900 hydro treated light (rainbow trout); LC50 48H static: 8800 ug/l (Poecilia reticulata guppy)	64742-47-8	LC50 48H static: 7500 ug/l (Danio reiro (zebra danio)); LC50 4 D static: 32 ug/l (oncorhynchus mykiss)

Product Ecotoxicity Data: Contact Delta Drilling Products for available product ecotoxicity data.

Biodegradation: ND  
Bioaccumulation: ND  
Octano/Water Partition Coefficient: ND

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Classification:** ND

**Waste Management:** Under U.S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine at the time of disposal, whether the product meets RCRA criteria for the hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous. Empty containers retain residues. All labeled precautions must be observed.

**Disposal Method:** Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

## SECTION XIV - TRANSPORT INFORMATION

U.S. DOT Shipping Description: Not regulated for transportation by DOT, TDG, IMDG, ICAO/IATA.

Canada TDG Shipping Description: Not regulated.

UN PIN No.: Not regulated.

IMDG Shipping Description: Not regulated.

ICAO/IATA Shipping Description: Not regulated.

## SECTION XV - REGULATORY INFORMATION

### U.S. Federal and State Regulations

SARA 311/312 Hazard Categories: Immediate (acute) health hazard.

SARA 302/304, 313; CERCLA RQ California Proposition 65:

Note: If no components are listed below, this product is not subject to the referenced SARA and CERCLA regulations and is not known to contain a Proposition 65 listed chemical at a level that is expected to pose a significant risk under anticipated use conditions.

### International Chemical Inventories

Australia AICS -	Components are listed or exempt from listing.
Canada DSL -	Components are listed or exempt from listing.
China Inventory -	Components are listed or exempt from listing.
European Union EINECS -	Components are listed or exempt from listing.
Japan METI ENCS -	Components are listed or exempt from listing.
Korea TCCL ECL -	Components are listed or exempt from listing.
Philippine PICCS -	Components are listed or exempt from listing.
U.S. TSCA -	Components are listed or exempt from listing.
U.S. TSCA -	No components are subject to TSCA 12 (b) export notification requirements.

**Canadian Classification:**

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

WHMIS Class: D2B

SECTION XVI - OTHER INFORMATION
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The following sections have been revised: 15,  
NA – Not Applicable, ND – Not Determined.

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 customer's methods of handling, storage, use and disposal of this product.

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