



Delta
Drilling
Products
& Services, LLC

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

SAFETY DATA SHEET

DEL EZ STICKS (POLYMER STICKS)

1. - IDENTIFICATION

Product identifier:

Trade Name: Del EZ Sticks (Polymer Sticks)

Other means of identification Not available.

Recommended use Drilling Additive

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Distributor

Company name Delta Drilling Products & Services, LLC

Address 154 Eastpark Drive

P O Box 1603

Eunice, LA 70535

Telephone Phone: (866) 457-0064

Emergency telephone number: **CHEMTREC (USA)**
Phone: (800) 424-9300

2. HAZARD(S) IDENTIFICATION

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from the incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

.Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Spills produce extremely slippery surfaces.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Composition comments The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. FIRST-AID MEASURES

Inhalation Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed.

Skin contact	Immediately flush skin with plenty of water. Remove contaminated clothing, including shoes, after flushing has begun. Get medical attention if irritation develops and persists. Thoroughly wash (or discard) clothing and shoes before reuse.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Get medical advice/attention if you feel unwell. If ingestion of a large amount does occur, call a poison control center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without medical advice. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Most important symptoms/effects, acute and delayed	Not available.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Carbon dioxide (CO2). Alcohol resistant foam. Dry chemical powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	No unusual fire or explosion hazards noted.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective gear. Evacuate area and fight fire from a safe distance.
Fire-fighting equipment/instructions	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. In the event of fire and/or explosion do not breathe fumes. ALWAYS stay away from tanks engulfed in flame. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Spill produce extremely slippery surfaces.
General fire hazards	This product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Spills produce extremely slippery surfaces. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas. Ensure adequate ventilation. Ventilate closed spaces before entering them.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewers, basements or confined areas. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated surface thoroughly. Small Spill: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.

7. HANDLING AND STORAGE

Precautions for safe handling	HANDLING: Avoid heat, sparks, open flames and other ignition sources. When using, do not eat, drink or smoke. Do not use in areas without adequate ventilation. Wash thoroughly after handling. Wear personal protective equipment. Avoid release to the environment. Do not empty into drains. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not taste or swallow. Do not get on skin and clothing.
Conditions for safe storage, including any incompatibilities	STORAGE: Keep at temperatures between 0 and 30 °C. Keep away from heat and sources of ignition. Store in a closed container away from incompatible materials. Keep away from food and drink. Store in a well-ventilated place. Keep container tightly closed. Store in accordance with local/regional/national/international regulation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Eye wash fountain and emergency showers are recommended.
Individual protection measures, such as personal protective equipment	
Eye / face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles) and a face shield.
Hand protection	Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
Skin protection	Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Avoid contact with the skin. Wear suitable protective clothing. Normal work clothing (long sleeved shirts and long pants) is recommended. Closed-toe shoes recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Thermal hazards	Not available.
General hygiene considerations	When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous.
Physical state	Liquid.
Form	Liquid.
Color	Milky.
Odor	Aliphatic.
Odor threshold	Not available.
pH	6 – 8 @ 5 g/L
Melting point/freezing point	Not available.
Initial boiling Point and boiling range	Not available.
Flash point	Does not flash
Evaporation rate	Not available

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit – Lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available

Decomposition temperature Not available

Viscosity Not available

Other information

Brookfield viscosity 500 – 200 cps (Bulk)

Kinematic viscosity > 20.5 mm²/s @ 40°C/ 104°F

Specific gravity 1.04 – 1.06

10. STABILITY AND REACTIVITY

Reactivity This product may react with oxidizing agents.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Contact with incompatible materials. Do not freeze.

Incompatible materials Oxidizing agents.

Hazardous decomposition products Irritants. Toxic gas. May include oxides of carbon. May include oxides of nitrogen. Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion: Do not ingest.

Inhalation: Avoid breathing mist or vapor.

Skin Contact: Avoid contact with skin.

Eye Contact: Avoid contact with eyes.

Symptoms related to the physical, chemical and toxicological characteristics None known.

Information on toxicological effects

Acute toxicity Not classified.

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Not classified.

Respiratory or skin sensitization**Respiratory sensitization** Not classified.**Skin sensitization** Not classified.**Germ cell mutagenicity** Not classified.**Carcinogenicity****OSHA Specifically Regulated Substances (29CFR 1910.1001-1050)**

Not listed.

Reproductive toxicity Not classified.**Specific target organ toxicity** Not classified.**- single exposure****Specific target organ toxicity** Not classified.**- repeated exposure****Aspiration hazard** Not classified.**12. ECOLOGICAL INFORMATION****Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.**Persistence and degradability** No data is available on the degradability of this product.**Bioaccumulative potential** Not available.**Mobility in soil** Not available.**Other adverse effects** Not available.**Bioaccumulative Potential****Bioconcentration Factor (BCF)**

No data available

Partition Coefficient n-octanol / water (log Kow)

No data available

Mobility:

No data available

Other Adverse Effects:

No data available

13. DISPOSAL CONSIDERATIONS**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations. It is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets the criteria for hazardous waste.**Hazardous waste code** Not regulated.**Waste from residues/
unused products** Empty containers or liners may retain some product residues. This material and its container be disposed of in a safe manner.**Contaminated packaging** Empty containers should be sent to an approved waste handling site for recycling or disposal.**14. TRANSPORT INFORMATION****DOT**

Not regulated as dangerous goods.

TDG

Not regulated as a dangerous good.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to**Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.**IBC Code****15. REGULATORY INFORMATION****US federal regulations**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFRD 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40CFR 032.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**Immediate Hazard – No
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard - No**SARA 302 Extremely Hazardous Substance**

Not listed.

SARA 311/312 Hazardous Chemical

No

SARA 313 (TRI Reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.**US State Regulations****US. Massachusetts RTK – Substance List**

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California proposition 65

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date August-04-2015
Revision date August-04-2015
Version # 02

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available. THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.

Revision Information Product and Company Identification: Alternate Trade Names