



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

SAFETY DATA SHEET

DEL CLS

1. - IDENTIFICATION

Trade Name: CLS
Chemical Family/Name: Chrome Lignosulfonate
Usage: Thinner/Deflocculant
Formula: N/A
Distributor information:
Company name Delta Drilling Products & Services, LLC
Address 154 Eastpark Drive
Eunice, LA 70535
Telephone (866) 457-0064 or (337) 457-0064
E-mail deltaproducts@bellsouth.net
Emergency phone number CHEMTREC (800) 424-9300

2. HAZARD(S) IDENTIFICATION



Classification:

Signal Word – Warning

Hazard Statement – May Cause Eye Irritation

Precautionary Statements – Wash hands thoroughly after using product to reduce risk of product transfer to eyes, which may cause severe irritation. Use eye protection, close-fitting safety glasses or goggles, suitable to prevent direct eye contact with product. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Component	CAS Number	Weight %
Chrome Lignosulfonate	9066-50-6	N/A

4. FIRST-AID MEASURES

Eye Contact: Rinse immediately with water for at least 15 minutes. Remove contact lenses, flush eyes with water. Seek medical attention.

Skin Contact: Wash skin with soap and water. Launder contaminated clothing before re-use. Seek medical attention if necessary.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air. Seek medical attention if necessary.

Note to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, foam, dry agent extinguisher, and carbon dioxide.
Fire Fighting Procedures:	Wear full fire-fighting turn-out gear and respiratory protection.
Unusual Fire and Explosion Hazards:	Flammable solids may provide conditions for a dust explosion.
Combustion Products:	Carbon oxides, sulfur oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear suitable protective clothing, gloves and eye/face protection. Avoid contact with skin, eyes, and clothing. Avoid dust formation. Ensure adequate ventilation. Remove all sources of ignition. Do not breath vapors/dust.

Environmental Precautions:

Do not empty into drains. Do not allow material to contaminate ground water system. Dispose of this material and its container in a safe way and in accordance with local, state, and federal laws.

Methods and Materials for Containment and Cleaning Up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Avoid contact with eyes and skin. Wash thoroughly after handling. Avoid breathing of vapors/dust. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Normal measures for preventive fire protection.

Conditions for Safe Storage, Including any Incompatibilities:

Keep container tightly closed and dry. Keep in a cool, well-ventilated place. Strong oxidizing agents are incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH (TLV, STEL):	N/A
OSHA (TWA, STEL):	N/A
NIOSH (TWA):	N/A

Personal Protective Equipment (PPE)

Skin Protection:	Solvent resistant rubber or plastic gloves. Neoprene protective-type apron.
Eye Protection:	Tight sealing safety goggles or safety glasses with side-shields.
Respiratory Protection:	NIOSH approved dust respirator.
Ventilation:	Local exhaust recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F)	N/A	Vapor Pressure (mmHg)	N/A
Melting Point	N/A	Vapor Density (Air----1)	N/A
Solubility (H₂O)	Soluble	Specific Gravity	N/A
pH	3.5 Max.	Moisture	8% Max.
Appearance	Fine, Brown Powder	Odor	Slight Odor

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Incompatible Materials:	Oxidizing materials.
Decomposition Products:	Carbon Oxides and sulfur oxides.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Eye Contact:	Causes moderate irritation.
Skin Contact:	May cause irritation.
Inhalation:	Dust may cause irritation of the respiratory system.
Ingestion:	May cause nausea, abdominal cramps.
Acute Effects:	None
Chronic Effects:	None
Acute Toxicity Values:	n/a

12. ECOLOGICAL INFORMATION

Toxicity:	No Data Available.
Aquatic Toxicity:	No Data Available.
Persistence and Degradability:	No Data Available.
Bioaccumulative Potential:	No Data Available.
Mobility in Soil:	No Data Available.
Other Adverse Effects:	No Data Available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance to local, state, and federal law. Products as sold is nonhazardous per RCRA.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

Proper Shipping Name:	DOT Non-Regulated
Hazard Class:	N/A
Labels Required:	N/A
IMDG:	Not Dangerous Goods.
IATA:	Not Dangerous Goods.
TDG (Canada)	Not Regulated.

15. REGULATORY INFORMATION

US Regulations:

OSHA:	Irritant.
TSCA:	All ingredients are on TSCA List.
CERCLA:	Not applicable.

SARA TITLE III:

EHS (Extremely Hazardous Substance):	No
Section 312, (Tier II):	Acute: Yes
	Fire: No
	Sudden Release: No
	Reactivity: No
	Chronic: No
Section 313, (Toxic Release Report Form R):	
	RCRA: Not Applicable
	CAA, HAP: Not Applicable
	FIFRA: No

International Regulations:

WHMIS:	Non-Controlled.
DSL/NDSL:	All components of this product are on the Canadian DSL.

16. OTHER INFORMATION

Use of Substance/Preparation:

This product should not be used without appropriate guidance and supervision. The supplier cannot be held liable for the inappropriate use, storage, transport or handling of this product.

National Fire Protection Association (NFPA) Ratings

Health: 1
Fire: 1
Reactivity: 0

Document Date: June 1, 2015

TERMS & CONDITIONS

1. The purchaser should be aware of the proper acceptable procedures and related technology involved in the handling, use, storage, transportation and safety of the products purchased observing all warnings and cautions.
2. Delta Drilling Products & Services LLC recommendations for the use of the products are based upon tests believed to be reliable and they make no guarantee of the results to be obtained. The Purchaser will, by their own tests, determine suitability of such products of their own use.
3. Shipment or delivery of any part of this order constitutes acceptance by the Purchaser of all conditions hereof without reservation.

DISCLAIMER

The data presented is true and correct to the best of our knowledge and belief; however, neither seller nor the preparer makes any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.