



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** DSC LIQUID FRICTION REDUCER
- **Product Description:** Copolymer of sodium acrylate and acrylamide in oil
- **Manufacturer:** Deep South Chemical, Inc.
229 Millstone Road
Broussard, LA 70518 (337) 837-9931
- **For Emergency: Call CHEMTREC 1-800-424-9300 Outside the U.S.A. (703)-527-3887**
- **Contact Person:** Glenn Ray
- **Formula:** Proprietary
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>CAS Number</u>	<u>%</u>	<u>PEL(OSHA)</u>		<u>TLV(ACGIH)</u>		<u>IDLH</u>
			<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	
Polyethoxylated tridecyl ether phosphate	9046-01-9	8-12	N/E	N/E	N/E	N/E	N/E
Petroleum Distillates	64742-52-5	41-52	500ppm	N/E	N/E	N/E	N/E
Naphthenic solvent	64742-48-9	0-3	N/E	N/E	N/E	N/E	N/E
<u>Non-Hazardous components</u>							
Copolymer of Acrylamide: Sodium Acrylate	25085-02-3	30-36	N/E	N/E	N/E	N/E	N/E

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure

Inhalation: This product may cause irritation to nose, throat, and respiratory tract if exposure is excessive.

Skin Contact: This product may cause irritation to the skin. Defatting of the skin can occur with frequent or long-term skin contact.

Eye Contact: Irritation to eyes.

Ingestion: There may be irritation of the mouth, throat, and digestive tract.

SECTION 4. 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 water and induce vomiting. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures

Extinguishing Media: Use powder, foam, or CO₂. 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 6. 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 7. HANDLING AND STORAGE

Storage: Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area. Keep away from sources of ignition. Avoid strong oxidizing agents.

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.

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Keep work area well ventilated.

Protective clothing: Impermeable gloves and impervious clothing as appropriate.

Eye protection: Chemical goggles where 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 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 75°F(H₂O = 1): 1.1

Flash Point (PMCC Method)(°F): >200

Vapor density (Air = 1): N/D

Solubility: Soluble in water.

Vapor pressure @ 77°F: N/D

Evaporation Rate: N/D

Appearance: White to off-white liquid.

Odor: Slightly hydrocarbon oil like.

Boiling Point (°F): >212

Percent Volatile by Volume: N/D

pH: 7.5 for a 1% solution

Auto-ignition (°F): N/D



SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Smoke, carbon oxides.
Hazardous Polymerization: None described.

SECTION 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients: Irritating to eyes and skin.
Immediate Health Effects: Irritation.
Delayed Health Effects: Defatting of skin with frequent or prolonged skin contact.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability: Substance is biodegradable.
Biodegradation: N/D
ErC50 (72 hours) Skeletonema costatum: N/D
LC50 (48 hours) Acartia tonsa: N/D
LC50 (10 days) Corophium voliotator: N/D
Aquatic Toxicity: Product is not considered toxic to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

DOT Transport Information: NON-REGULATED

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): 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)

<u>Component</u>	<u>CERCLA RQ (lbs)</u>
Acrylic Acid (Impurity)	5000
2-Propanamide (Impurity)	5000

SARA 302 Components-40 CFR 355 Appendix A

<u>Component</u>	<u>TPQ(Threshold Planning Quantity) (lbs)</u>
Acrylamide	1,000/10,000

Section 311/312 Hazard Class-40 CFR 372.65

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

SARA 313-40 CFR 372.65

<u>Component</u>	<u>CAS Number</u>	<u>%</u>
None		



SECTION 16. OTHER INFORMATION

NFPA RATING: Health (1) Fire (1) Reactivity (0)

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