



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** **DSC Bio Base Surfactant**
- **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
- **Chemical Family:** Detergent Range Alcohol ethoxylate
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
Poly-(oxy-1,2-ethanediyl)- alpha-undecyl-omega	34398-01-1	100	NE	NE	NE	NE	NE

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure:

- **Inhalation:** Not expected to be a relevant route of exposure. However, high vapor or aerosol mist concentrations may be irritating to the nose, throat, and upper respiratory tract.
- **Eye Contact:** Will cause irritation to eyes. Can injure eye tissue.
- **Skin Contact:** Will cause irritation to skin. Prolonged exposure may dry skin.
- **Ingestion:** Harmful if swallowed. May cause irritation to the mouth, stomach and esophagus.

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. If irritation persists, seek medical attention.
- **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:** Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30cc (2 Tablespoons) syrup of IPECAC*. IF IPECAC is not available, give two glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

NOTES TO PHYSICIAN:

If victim is a child, give no more than 1 glass of water and 15 cc (1 Tablespoon) syrup of IPECAC. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur Before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 310°F (154°C)

Fire fighting measures

Extinguishing Media: Use alcohol type foam, universal foam, dry chemical, carbon dioxide or water spray to extinguish fire.

Decomposition/Combustion Products: Oxides of carbon.

Special Fire Fighting Procedures: SCBA recommended. Smother to exclude air. Handle as an oil fire.

Unusual Fire and Explosive Hazards: Combustible liquid. Keep away from heat, sparks, and open flame.

Flammable Limits:

LEL: NE

UEL: NE

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Use proper personal protective equipment, including protective gloves and NIOSH approved respirator. 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, dirt, or other inert material to contain and soak up large spills. Small spills can be wiped up with cloth.

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 with proper fire deterrent systems. Keep container tightly closed when not in use. Store in cool, dry area. Keep away from sources of ignition. Store in full containers. Partially filled containers should be blanketed with nitrogen gas.

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. Product may expand slightly in storage causing pressure to build in the container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Keep work area well ventilated. Mechanical ventilation recommended as necessary.

Protective clothing: Oil resistant gloves and oil resistant apron as appropriate.

Eye protection: Chemical goggles or glasses where splashing may occur.

Respiratory Protection: Not normally required. If vapor concentration becomes high, use NIOSH approved respirators.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 25°C (77°F) (H₂O = 1): 0.975
Viscosity @ 37.8°C (100°F): 22cst
Vapor density (Air = 1): N/D
Vapor pressure @ 37.8°C (100°F): < 0.1 hPa
Evaporation Rate: N/D
Appearance: Clear to slightly hazy liquid.
Odor: Mild odor.
Boiling Point (°F): 350.0 (176.7°C)
Pour Point: 50.0°F (10.0°C) Turns milky below 50°F
Coefficient of thermal expansion: 0.0035 PPG
VOC Content: ~10% EPA Method 24
Water Solubility: 100.0 g/L complete, may form gel.

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.
Incompatibility/Materials: Strong oxidizing agents, acids, copper, aluminum. Avoid over-heating (>125°F/50°C)
Hazardous Decomposition Products: Smoke, oxides of carbon, unidentified organic compounds.
Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity : 1 g/kg < LD50 < 2 g/kg , Rat
Acute Dermal Toxicity : Low toxicity: LD50 >2000 mg/kg , Rat
Sensitization : Not a skin sensitizer.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

96 hr fathead minnow static acute LC 50: Is expected to be between 1-10 mg/L
48 hr daphnia static acute LC 50: Is expected to be between 1-10 mg/L

CHEMICAL FATE INFORMATION

This product is expected to be readily biodegradable based on the data below for a similar product performance in an OECD 301 F Respirometer test.
>75% oxygen removal in 28 days
>85% DOC removal

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal: If spilled, dispose according to local regulations. Recycle waste containers and clean out residues.
Statutory Notification Required: None in UK.

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)

Component
none

CERCLA RQ (lbs)

SARA 302 Components-40 CFR 355 Appendix A

Component
none

TPQ(Threshold Planning Quantity) (lbs)

Section 311/312 Hazard Class-40 CFR 370.2

- Immediate (X)
- Delayed ()
- Fire ()
- Reactive ()

Sudden Release of Pressure ()

SARA 313-40 CFR 372.65

Component
none

CAS Number

%

SECTION 16. OTHER INFORMATION

NFPA RATING: Health (1) Fire (2) Reactivity (0)

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N/D= No data; N/A = Not available; N/E= Not established