



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** DSC-9125
- **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:** Ethoxylated Alcohol
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances classified under CHIP

Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
Alcohols, C9-11, ethoxylated	68439-46-3	85-90	N/E	N/E	N/E	N/E	N/E
Alcohols, C9-11	66455-17-2	10-13	N/E	N/E	N/E	N/E	N/E

Note: This product may contain trace amounts (<1.0ppm) of ethylene oxide CAS Number 75-21-8.

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure:

Inhalation: May be irritating to the nose, throat, and upper respiratory tract.

Eye Contact: Irritation to eyes.

Skin Contact: Irritating to skin.

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

Safety phrase: S 24/25, 26,28.

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. If victim is drowsy or unconscious, place on left side with head down. 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.

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 @ 77°F (H₂O = 1): 0.92

Vapor density (Air = 1): 8

Vapor pressure @ 100°F: <0.10mmHg

Evaporation Rate: N/A

Appearance: Pale yellow to colorless liquid.

Odor: Mild odor.

Boiling Point: >400°F approx.

Freezing Point: approximately -13 to 1°F

Melting Point: approximately -13 to 1°F

Percent Volatile by Volume: N/D

pH: N/A

Viscosity: 12cps at 100°F

Flash Point(PMCC Method)(°F): 255

Partition Coefficient, N-OCTANOL/WATER: N/D

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.

Incompatibility/Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Smoke, carbon oxides.

Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Effects (Short term):

Skin: Acute Dermal LD50: >5g/kg (rabbit)

>2g/kg (rat)

Ingestion: Acute oral LD50: Between 2.7 and 5 g/kg (rat)

Sensitization: This material was not a sensitizer in a guinea pig sensitization test.



SECTION 12. ECOLOGICAL INFORMATION

Chemical Fate Information: This material is expected to biodegrade at a moderate rate and be “readily biodegradable” based on the following data:

<u>BOD g/g</u>	<u>COD g/g</u>	<u>% Biodegraded</u>
2.0 (30 day)	2.4	83%
2.0 (15 day)		
0.88 (5 day)		

UK OCNS CATEGORY: N/D

MARINE POLLUTANT (IMDG Code): No

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

DESIGNATION: -

UN NUMBER: N/A

IATA CLASSIFICATION: N/A

IMDG CLASSIFICATION: N/A

SPECIAL PRECAUTIONS RE CARRIAGE: N/A

SYMBOLS: Not hazardous by D.O.T regulations

SHIPPING: Detergent

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>
Ethylene Oxide	10

SARA 302 Components-40 CFR 355 Appendix A

<u>Component</u>	<u>TPQ(Threshold Planning Quantity) (lbs)</u>
Ethylene Oxide	1000

Section 311/312 Hazard Class-40 CFR 370.2

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		

SUPPLY LABEL SYMBOLS: Xi-Irritant

RISK AND SAFETY PHRASES: Non-Combustible

R 36/38-Irritating to eyes and skin.

S 24/25-Avoid contact with skin and eyes.



S 26-IN CASE OF CONTACT WITH EYES: Rinse immediately with plenty of water and seek medical advice. **S28**-After contact with skin, wash immediately with plenty of soap and water.

SECTION 16. OTHER INFORMATION

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

The trace amounts of **ethylene oxide (EO)** in this product are not expected to result in either acute or long-term hazards when the material is handled in accordance with sections 7 & 8. You should be aware though, that EO is a cancer and reproductive hazard. Repeated exposure to ethylene oxide may be harmful. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1ppm for an eight-hour time weighted average exposure. The ethylene oxide standard (29 CFR 1910.1047) regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with the OSHA ethylene oxide standard.

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