



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** **DSC RUST REMOVER**
- **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:** Citric Acid(Food Grade)
- **Contact Person:** Glenn Ray
- **Formula:** Proprietary
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS Number	%	PEL (OSHA)		TLV (ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
2-Hydroxy-1, 2, 3 Propanetricarboxylic Acid	77-92-9	5-30	N/E	N/E	N/E	N/E	N/E
Ethoxylated Alcohols (C9-C11)	68439-46-3	20-40	N/E	N/E	N/E	N/E	N/E
Ethoxylated Alcohols (C12-C15)	68131-39-5	20-40	N/E	N/E	N/E	N/E	N/E
Ammonia, Anhydrous	7664-41-7	0.1-1.0	50ppm	N/E	25ppm	35ppm	300ppm
2-Butoxyethanol	111-76-2	4-6	50ppm	N/E	20PPM	N/E	700ppm

Note: This product may contain trace amounts (<0.1ppm) of ethylene oxide CAS Number 75-21-8.

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure:

Inhalation: Inhalation of vapors may be irritating to the nose and throat.

Eye Contact: Can cause eye irritation.

Skin Contact: Irritating to skin. Toxic if absorbed through skin.

Ingestion: Irritation of the mouth, throat, and digestive tract.

SECTION 4. FIRST AID MEASURES

Eyes: Move victim away from exposure and into fresh air. 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: If victim is drowsy or unconscious, place on left side with head down. Seek medical attention. DO NOT INDUCE VOMITING.

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures: Use dry chemical, water spray, or alcohol resistant foam to extinguish fire.

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: Soak up on absorbent, inert material. Use non-sparking type tools and equipment, including explosion proof ventilation. For large spills, dike area and place into suitable containers. Containers should be bonded and grounded for transfers to avoid static sparks. Do not allow to enter drains or waterways. Wear respirator and protective clothing as appropriate. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.

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: Keep container tightly closed when not in use. Store at room temperature (75°F) in dry place. Ensure adequate air circulation. Avoid strong oxidizing agents. Avoid potential sources or ignition.

Handling: Avoid contact with skin or eyes. When handling, do not eat, drink or smoke. Prevent static buildup and discharge. Keep away from potential sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Keep work area well ventilated.

Personal respirators (NIOSH Approved): Use appropriate respiratory protection when handling.

Protective clothing: Impermeable gloves and impervious clothing as appropriate to prevent skin contact.

Eye protection: Chemical goggles and/or a full face shield where splashing may occur.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 75°F(H₂O = 1): 1.22-1.24

Flash Point (PMCC Method)(°F): >212

Vapor density (Air = 1): 0.62

Solubility: Completely soluble in water.

Vapor pressure @ 68°F: 16 mmHg

Evaporation Rate (Butyl Acetate=1): <1

Appearance: Clear white to medium yellow liquid.

Odor: Odorless to slight sugar.

Boiling Point (°F): 219

Percent Volatile by Volume: 7

pH: 4.5

Auto-ignition (°F): N/D

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.

Incompatibility/Materials: Strong oxidizing agents and strong acids.

Hazardous Decomposition Products: Smoke, carbon oxides, and unidentified organic components.

Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients: None.

Immediate Health Effects: Irritation of eyes and skin. Possible corneal burns.

Delayed Health Effects: Defatting of skin with frequent or prolonged skin contact.

Acute Effects (Short term): N/D

Chronic Effects (Long term): N/D



SECTION 12. ECOLOGICAL INFORMATION

Degradation: Bio-degradation is possible, but rates are not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste materials: Dispose of in compliance with local regulations.

Disposal of waste containers: Recycle, clean out residues.

Disposal restrictions: Comply with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name: Non-Regulated

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): All ingredients are on the TCSA inventory or are not required to be listed on the TCSA inventory.

CERCLA RQ-40 CFR 302.4(a)

<u>Component</u>	<u>CERCLA RQ (lbs)</u>
Ammonia	100

SARA 302 Components-40 CFR 355 Appendix A

<u>Component</u>	<u>TPQ(Threshold Planning Quantity) (lbs)</u>
Ammonia	500

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>%(by weight)</u>
2-Butoxyethanol	111-76-2	6

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/A=NOT APPLICABLE

N/D=NO DATA

N/E = NOT ESTABLISHED