



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** DSC STEP I
- **Product Description:** Acid cleaner
- **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

Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
Isopropyl Alcohol	67-63-0	4-6	400ppm	400ppm	200ppm	400ppm	600ppm
Phosphoric Acid, (75%) Technical Grade	7664-38-2	10-15	1mg/m ³	3mg/m ³	1mg/m ³	3mg/m ³	1,000mg/m ³
Hydrogen Chloride	7647-01-0	1-3	5ppm	7mg/m ³	5ppm	7mg/m ³	50ppm
Ammonium Fluoride (35%)	12125-01-8	8-12	2.5mg/m ³	N/E	2.5mg/m ³	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

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.

Skin: Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

Ingestion: Do not induce vomiting. Give large amounts of water. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures

P.O. Box 80657 * Lafayette, LA 70598-0657 * Phone (337)837-9931 * Fax (337)837-9565

Extinguishing Media: Product will not burn. N/A

Decomposition/Combustion Products: During fires, hydrochloric acid may decompose by reacting with certain metals to produce very flammable and explosive hydrogen gas.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus with a full face-piece operated in the pressure-demand or positive-pressure mode.

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. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Neutralize with alkaline materials..

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 at room temperature (75°F) in a dry area.

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 or drink.

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): 1.25

Flash Point (PMCC Method)(°F): >200

Vapor density (Air = 1): N/D

Solubility: Soluble in water.

Vapor pressure @ 75: N/D

Evaporation Rate: N/D

Appearance: Medium orange liquid.

Odor: Acidic.

Boiling Point (°F): 212

pH: <1

Auto-ignition: N/D

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.

Incompatible Materials: Glass, some metals and chlorine solutions.

Hazardous Decomposition Products: During fires, hydrochloric acid may decompose by reacting with certain metals to produce very flammable and explosive hydrogen gas.

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients: Irritating to eyes and skin. Corrosive.



Immediate Health Effects: Irritation.

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

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability: All the components are 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: 96 HR LC50 (mysid shrimp) N/D

Oil and grease content in slurry(Polymer 2 LB/BBL): N/D

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

DOT Transport Information: NA 1760, Compounds, Cleaning Liquid, 8PG III

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>
Phosphoric Acid	5000
Hydrogen Chloride	5000

SARA 302 Components-40 CFR 355 Appendix A

None

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>
Hydrochloric Acid	7647-01-0	2.5

SECTION 16. OTHER INFORMATION

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

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