

## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** DSC BLUE DEVIL
- **Product Description:** Water base 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	
Sodium Metasilicate, Anhydrous	6834-92-3	1-4	N/E	N/E	N/E	N/E	N/E
Sulfuric Acid	7664-93-9	0.0025	1mg/m <sup>3</sup>	N/E	1mg/m <sup>3</sup>	3mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-	9016-45-9	2-5	N/E	N/E	N/E	N/E	N/E
Sodium Hypochlorite	7681-52-9	2-3	N/E	N/E	N/E	N/E	N/E
Sodium Hydroxide	1310-73-2	0.4-0.6	N/E	2mg/m <sup>3</sup> (Ceiling)	N/E	2mg/m <sup>3</sup> (Ceiling)	10mg/m <sup>3</sup>
Available Chlorine	7782-50-5	2-3	0.5ppm	1.0ppm	0.5ppm	1.0ppm	10ppm

Note: This product may contain trace amounts (<1ppm) of ethylene oxide CAS Number 75-21-8.

### 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. 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 induce vomiting or give anything by mouth. Drink plenty of water. Seek medical attention.

#### **SECTION 5. FIRE FIGHTING MEASURES**

##### **Fire fighting measures**

- Extinguishing Media:** Product will not burn.
- Decomposition/Combustion Products:** N/A
- Special Fire Fighting Procedures:** N/A

##### **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. 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.
- 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**

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**Specific gravity @ 75°F(H<sub>2</sub>O = 1):** 1.11

**Flash Point(PMCC Method)(°F):** N/A

**Vapor density (Air = 1):** N/D

**Solubility:** Soluble in water.

**Vapor pressure @ 75:** 1.0 mmHg

**Evaporation Rate:** <1

**Appearance:** Clear blue liquid.

**Odor:** Mild bleach smell.

**Boiling Point(°F):** >212

**pH:** 12.0-13.0

**Auto-ignition:** N/D

**SECTION 10. STABILITY AND REACTIVITY**

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**Stability and Reactivity:** Stable in normal conditions.

**Incompatible Materials:** Ammonia and acids.

**Hazardous Decomposition Products:** Smoke, carbon oxides, chlorine.

**Hazardous Polymerization:** None described.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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**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**

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**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**

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

**SECTION 14. TRANSPORT INFORMATION**

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**DOT Transport Information:** UN 1791, Hypochlorite Solutions, 8, PG III

**Shipping Label:** Corrosive



**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
Sulfuric Acid	1000
Sodium Hypochlorite	100
Sodium Hydroxide	1000
Chlorine	10

**SARA 302 Components-40 CFR 355 Appendix A**

<u>Component</u>	<u>TPQ (Threshold Planning Quantity) (lbs)</u>
Ethylene Oxide	1000
Sulfuric Acid	1000
Chlorine	100

**Section 311/312 Hazard Class-40 CFR 370.2**

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

**SARA 313-40 CFR 372.65**

<u>Component</u>	<u>CAS Number</u>	<u>%</u>
Chlorine	7782-50-5	14

**SECTION 16. OTHER INFORMATION**

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

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