



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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- **Product name:** DSC OS-50
- **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)-527-3387
- **Chemical Family:** Bisulfite
- **Formula:** Proprietary Mixture
- **Contact Person:** Glenn Ray
- **MSDS Revised:** January 1, 2014

**HMIS RATING:** Health (1)    Fire (0)    Reactivity (0)

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous components	%	PEL (OSHA)		TLV (ACGIH)		C.A.S. No.
		TWA	STEL A/L	TWA	STEL	
Ammonium Bisulfite	45-55		NE		NE	10192-30-0

### SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

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**Effects of Over Exposure:**

**Inhalation:** Irritation. Large quantities may injure lining of throat, mucous membranes, and esophagus. Bronchitis.

**Eye Contact:** Irritation, possible damage.

**Skin Contact:** Irritation.

**Ingestion:** Burning sensation, nausea, possible vomiting.

### SECTION 4. FIRST AID MEASURES

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**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. Do not attempt to neutralize with chemicals.

**Ingestion:** Drink plenty of water or milk. If the fluids are vomited up, give the victim more fluids. If victim is drowsy or unconscious, place on left side with head down. Seek medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

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**Extinguishing Media:** Use water, dry chemicals, or CO<sub>2</sub> to extinguish fire.

**Decomposition/Combustion Products:** Toxic fumes may be generated at elevated temperatures containing SO<sub>2</sub> and SO<sub>3</sub> which will react with water or steam to form sulfurous and sulfuric acids.

**Special fire fighting procedures:** Water spray to cool drums. Use NIOSH approved self contained breathing apparatus.

**Explosive Properties**

**LEL:** NE

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**Steps to be taken if material is released or spilled:** Soak up on absorbent, inert material. Wash area with water. For large spills, dike area and pump into suitable containers. Do not allow to enter drains or waterways. Wear respirator and protective clothing as appropriate.

**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**

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**Storage:** Keep container tightly closed when not in use. Store in dry place. Ensure adequate air circulation. Avoid potential sources of 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**

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**Ventilation:** General ventilation, local exhaust.

**Protective clothing:** Impermeable gloves and impervious clothing as appropriate.

**Eye protection:** Chemical goggles where splashing may occur.

**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):** 1.3

**Flash Point:** N/A

**Vapor density (Air = 1):** 1.0 @ 60°F

**Solubility:** Complete

**Vapor pressure:** 52 mm @ 30 C; 132 mm @ 50 C.

**Evaporation Rate:** N/A

**Appearance and Odor:** Pale green to pale yellow color, sulfur odor

**Boiling Point:** >212°F approx.

**Freezing Point:** N/D

**Percent Volatile by Volume:** Proprietary

**pH:** N/A

**Auto-ignition:** N/D

**SECTION 10. STABILITY AND REACTIVITY**

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

**Incompatibility/Materials:** Acids and excessive heat.

**Hazardous Decomposition Products:** Toxic fumes containing SO<sub>2</sub> and SO<sub>3</sub>.

**Hazardous polymerization:** Will not occur.

**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.

**Acute Effects (Short term):** N/D

**Chronic Effects (Long term):** N/D



**SECTION 12. ECOLOGICAL INFORMATION**

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None currently available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

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**Disposal of waste materials:** Incinerate or in compliance with local regulations.

**Disposal of waste containers:** Recycle, clean out residues.

**Disposal restrictions:** Comply with local regulations.

**Statutory notification required:** None in UK

**SECTION 14. TRANSPORT INFORMATION**

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**Transport information:** UN 2693, BISULFITE, INORGANIC, AQUEOUS SOLUTION, N.O.S.

Contains Ammonium Bisulfite) 8, PG III

**RQ:** 5000 lb. (100%) [835 gallons of DSC OS-50]

**SECTION 15. REGULATORY INFORMATION**

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**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

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

None

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

**Immediate (X)**

**Delayed ( )**

**Fire (X)**

**Reactive ( )**

**Sudden Release of Pressure ( )**

**SARA 313-40 CFR 372.65**

Component

Ammonia

CAS Number

7644-41-7

%

3.4-12

**SECTION 16. OTHER INFORMATION**

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Not Applicable

**HMIS RATING:** Health (1) Fire (0) Reactivity (0)

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N/D=NO DATA; N/A=NOT APPLICABLE; N/E = NOT ESTABLISHED