



## Material Safety Data Sheet

### 1. IDENTIFICATION

**PRODUCT NAME:** H<sub>2</sub>-DECHLOR  
**CHEMICAL NAME/SYNONYMS:** Sodium Sulfite  
**CHEMICAL FAMILY:** Reducer  
**CHEMICAL FORMULA:** Na<sub>2</sub>SO<sub>3</sub>  
For emergencies call Chemtrec at 1-800-424-9300

### 2. HAZARD(S) IDENTIFICATION

**PERMISSIBLE ACUTE:** No permissible exposure limits have been established by OSHA.  
**INHALATION:** Inhalation of product dust or solution may cause respiratory tract irritation.  
**EYE:** Dust or solution may burn eyes on contact.  
**SKIN:** Product dust or solution may result in skin irritation upon prolonged contact.  
**INGESTION:** Ingestion may irritate gastrointestinal tract. Toxic if taken in large doses.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS #</u>	<u>COMPONENT</u>	<u>PERCENT</u>
7757-83-7	Sodium Sulfite	35%
	Inert Ingredients (Includes sustained release agents)	65%

### 4. FIRST-AID MEASURES

**INHALATION:** Remove to fresh air. If not breathing, resuscitate and administer oxygen if readily available. Seek medical attention immediately.  
**EYE CONTACT:** Immediately flush with large amounts of water for fifteen (15) minutes, rinsing eye thoroughly. Get medical attention.  
**SKIN CONTACT:** Wash with plenty of soap and water for fifteen (15) minutes. Remove contaminated clothing. If skin irritation occurs, get medical attention. Wash clothing before reuse.  
**INGESTION:** If conscious, drink large quantities of water or milk and induce vomiting. Call a physician immediately. Avoid alcohol.  
If unconscious, or in convulsions, seek medical attention immediately. Do not give anything by mouth to an unconscious person.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** Not Applicable  
**FLAMMABLE LIMITS IN AIR:** Not Applicable  
**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for burning material. Compatible with water fog, spray foam or CO.  
**SPECIAL FIRE FIGHTING PROCEDURES:** NIOSH/MSHA-Approved, positive pressure, self-contained breathing apparatus with full face piece.  
**UNUSUAL FIRE & EXPLOSION HAZARD:** At 600° C, Sodium Sulfide is formed. At 900° C, Sulfur Dioxide is formed. Inert ingredients could support combustion by burning, yielding carbon dioxide and water. Use self-contained breathing apparatus for fire fighting.

**H2-DECHLOR****6. ACCIDENTAL RELEASE MEASURES**

Spills exceeding 1 00 pounds should be reported to the local authorities.

1. Contain all spilled material, wearing appropriate protective equipment.
2. Place spilled material in clean, dry containers for disposal. Do not flush to surface water.

**7. HANDLING AND STORAGE****8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** If dusty conditions are encountered, use NIOSH/MSHA respirator with acid gas cartridge and dust pre-filter.

**VENTILATION:** Store and use in a well-ventilated area.

**EYE PROTECTION:** Chemical safety goggles.

**GLOVES:** Natural or synthetic rubber.

**OTHER PROTECTIVE EQUIPMENT:** Boots, aprons, or chemical suits as required to prevent skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT AT 760 mm Hg:** Decomposes at 900° C

**FREEZING/MELTING POINT:** Not Applicable

**SOLUBILITY IN H<sub>2</sub>O; % BY WEIGHT:** 25% at 80° C

**SPECIFIC GRAVITY OF TABLET:** 2.63 (H<sub>2</sub>O = 1)

**APPROXIMATE TABLET DENSITY:** 125 lbs/ft<sup>3</sup>

**pH OF SOLUTION:** Alkaline

**VOLUME % VOLATILE:** Not Applicable

**APPEARANCE AND ODOR:** Green Tablet with Mild Odor

**10. STABILITY AND REACTIVITY****11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY DATA (ANIMAL):**

**LC 50 INHALATION:** See effects of overexposure.

**LD 50 ORAL:** 2825 MG/KG (Rabbit)

**LD 50 DERMAL:** See effects of overexposure.

**CHRONIC TOXICITY:** Sodium Sulfite may cause allergic reactions in sensitive individuals.

Contact with strong acids or high temperatures may generate Sulfur Dioxide, which is toxic, corrosive, and hazardous.

**12. ECOLOGICAL INFORMATION**

**LC 50 AQUATIC:** Very high concentrations will chemically deplete dissolved oxygen necessary for aquatic life.

**13. DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Not rated a hazardous substance by USEPA. Collected material can be dissolved in water, exercising caution. Dissolved material may be discharged into an appropriate industrial waste collection system but consult local, state, and federal regulating agencies before disposing of any material.

**14. TRANSPORT INFORMATION**

This material is not regulated as a DOT Hazardous Material.

**US DOT INFORMATION:**

UN/NA #	Shipping Name	Hazard	Class	Packing Group	ERG	RQ

**15. REGULATORY INFORMATION**

**16. OTHER INFORMATION**

Do not use ingredient information and/ or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from H2O Technical Services.

**DISCLAIMER:**

We believe that the information in this MSDS is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulations, rules or insurance requirements.

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