

**Material Safety Data Sheet****Chem-CD Neutralize**

ClorDiSys Solutions, Inc

Material Safety Data Sheet

Revision Date: 12/01/2008

Date Printed: 12/05/2008

Date Reviewed: 12/01/2008

**NFPA Classification:**

**Health:** 1  
**Flammability:** 0  
**Instability:** 0

**HMIS Classification:**

**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0  
**Personal Protection:** E

**Special Hazards:** No OSHA Hazards**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Common Name:** Sodium Sulfite

**Chemical Name:** Chemical Mixture  
**Product Use:** chlorine dioxide solution neutralization.  
**Supplier:** ClorDisys Solutions, Inc  
 PO Box 549  
 Lebanon, NJ 08833

For Chemical Emergency Call CHEMTREC (24 Hours):  
 1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)  
 1-703-527-3887 (Outside Above Area)

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	CAS #	EINECS#	Weight in Product %	Notes
Sodium sulfite	7757-83-7	231-821-4	-	None

**Other Information:** **Toxicological Data on Ingredients:** Sodium sulfite: ORAL (LD50): Acute: 820 mg/kg [Mouse.]. 3650 mg/kg [Rat].

**3. HAZARDS IDENTIFICATION****Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.  
**Ingestion:** May be harmful if swallowed.  
**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eye Contact:** May cause eye irritation.

**4. FIRST AID MEASURES**

**Inhalation:** Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.  
**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.  
**Skin Contact:** Flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Get medical attention if irritation persists.  
**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**5. FIRE FIGHTING MEASURES**

**Flash Point, C:** Not Applicable  
**Autoignition Temperature, C:** Not Applicable  
**Lower explosive Limit, %:** Not Applicable  
**Upper Explosive Limit, %:** Not Applicable  
**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Fire Fighting Procedures:** Self-contained breathing apparatus for fire fighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Avoid dust formation.  
**Environmental precautions:** Do not let product enter drains.  
**Methods for cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## 7. HANDLING AND STORAGE

**Precautions:** Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, combustible materials, organic materials, acids.

**Storage:**

Air sensitive.

Moisture sensitive.

Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Eye protection:** Safety glasses

**Hygiene measures:** General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Solid (solid crystalline powder).
<b>Color:</b>	white or tan or slightly pink
<b>Odor:</b>	Sulfurous. Odorless
<b>Boiling Point, C:</b>	No Data Available
<b>Melting point:</b>	Decomposition temperature: >500°C (932°F)
<b>Solubility</b>	Soluble in cold water, hot water. Soluble in glycerol. Almost insoluble in alcohol.
<b>pH:</b>	No Data Available
<b>Flash point:</b>	No Data Available
<b>Ignition temperature:</b>	No Data Available
<b>Lower explosion limit:</b>	No Data Available
<b>Upper explosion limit:</b>	No Data Available

## 10. STABILITY AND REACTIVITY

<b>Stability Data:</b>	Stable under recommended storage conditions.
<b>Incompatibility (Materials to Avoid):</b>	Reactive with oxidizing agents, combustible materials, organic materials, acids.
<b>Conditions of Instability:</b>	Incompatible materials, air, moisture, dust generation.
<b>Corrosivity:</b>	Corrosive in presence of aluminum, of zinc, of copper. Slightly corrosive in presence of steel.
<b>Special Remarks on Reactivity:</b>	Air sensitive. Moisture sensitive. Keep container tightly closed.
<b>Special Remarks on Corrosivity:</b>	Not available.
<b>Polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Contact with acids releases sulphur dioxide.
<b>Hazardous decomposition products formed under fire conditions.</b>	Sulphur oxides

## 11. TOXOLOGICAL INFORMATION

<b>Acute toxicity:</b>	LD50 Oral - rat - 3,560 mg/kg LC50 Inhalation - rat - 4 h - > 5,500 mg/m3
<b>Irritation and corrosion:</b>	Skin - rabbit - No skin irritation Eyes - rabbit - Mild eye irritation
<b>Sensitisation:</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
<b>Chronic exposure:</b>	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
<b>Signs and Symptoms of Exposure:</b>	May cause irritation of the:, Gastrointestinal tract, violent colic, Diarrhoea, Disturbance of:, circulatory system, Central nervous system depression, death, Persons with

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allergies and/or asthma may exhibit hypersensitivity to sulfites., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed.

**Target Organs** Central nervous system

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 660 mg/l - 96 h.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

## 14. TRANSPORT INFORMATION

**US Department of Transportation (US-DOT):** Not dangerous goods

**International Maritime Organization (IMO):** Not dangerous goods

**International Air Transport Association (IATA):** Not dangerous goods

## 15. REGULATORY INFORMATION

**OSHA Hazards:** Delayed target organ effects

**TSCA Status:** On TSCA Inventory

**DSL Status:** All components of this product are on the Canadian DSL list.

**SARA 302 Components:** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Chronic Health Hazard

**Massachusetts Right To Know Components:** No Components Listed

**Pennsylvania Right To Know Components:** Sodium sulphite, CAS-No. 7757-83-7

**New Jersey Right To Know Components:** Sodium sulphite, CAS-No. 7757-83-7

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

## 16. OTHER INFORMATION

**Revision Number:** 1

**Section(s) Revised** New

**Prepared By:** ClorDiSys Solutions, Inc

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