

ALDEN LEEDS, INC.  
55 JACOBUS AVE.  
SO. KEARNY, NJ 07032  
(973) 589-3544

PRODUCT CODE #1313  
PRODUCT NAME: DE CHLOR

MATERIAL  
SAFETY DATA  
SHEET  
10/20/04

### SECTION I - IDENTIFICATION

**CHEMICAL NAME & SYNONYMS:** Sodium Thiosulfate

**CHEMICAL FORMULA:** Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

**TRADE NAME:** De-Chlor

**DESCRIPTION:** White granules with no odor.

**CAS NO:** 7772-98-7

### SECTION II - PHYSICAL DATA

**Boiling Point:** anhydrous decomposes @ >100 C

**Melting Point:** hydrate loses water @ 48 C

**Specific Gravity (H<sub>2</sub>O=1):** anhydrous 1.667

**Freezing Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**% Volatile by Volume:** N/A

**Evaporation Rate:** N/A

**Solubility in water:** 42% solution @ 25 C

**pH:** (7.5% solution) pH approx. 8.6

### SECTION III - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** N/A

**Autoignition Temp:** N/A

**Flammable Limits in Air % By Volume:** N/A

**Extinguishing Media:** N/A

**Special Fire Fighting Procedures:** Wear NIOSH approved self contained breathing apparatus. Use water spray to keep containers cool, and to knock down flames.

**Unusual Fire and Explosion Hazards:** None

### SECTION IV - HEALTH HAZARD DATA

#### EFFECTS OF OVEREXPOSURE:

**Inhalation:** Can be irritating to the respiratory tract.

**Skin:** Dust may cause irritation from prolonged skin contact. Aqueous solutions may cause irritation from repeated or prolonged contact.

**Eye:** Dust may irritate or burn eyes. Solutions may irritate or burn eyes.

**Ingestion:** May cause irritation of the gastrointestinal tract and purging.

### SECTION V - EMERGENCY AND FIRST AID PROCEDURE

**INHALATION:** Remove patient to fresh air. If patient is having trouble breathing administer oxygen, if available. If symptoms persist get medical attention.

**SKIN:** Flush or wash affected areas with mild soap and water for at least 15 minutes. Get medical attention if irritation persists.

**EYE:** Holding eyelids apart and rolling the eyes, flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.

**INGESTION:** Promptly give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Get immediate medical attention if symptoms persist. DO NOT give anything by mouth to an unconscious person.

### SECTION VI - REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** High temperatures (>100 C) yields sulfur dioxide gas and hazardous residue.

**Incompatibility (materials to avoid):** Strong oxidizers cause vigorous exothermic reactions with the hydrate.

**Hazardous Decomposition:** Sulfur dioxide gas toxic, corrosive, and an oxidizer. Sodium sulfide residue: flammable, dangerous fire risk, strong irritant to skin and tissue, incompatible with acids.

**Hazardous Polymerization:** Will not occur.

**CHEMICAL NAME:**

**TRADE NAME:** De-Chlor

Sodium Thiosulfate

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**SECTION VII - SPILL, LEAKAGE & DISPOSAL PROCEDURES**

**Steps to take if material leaks or spills:** Shovel up dry chemical into an empty container and cover. Store in a cool dry place away from acids or oxidizers. Cautiously spray residue with plenty of water.

**Waste disposal method:** Not a hazardous waste. Dispose of in compliance with all Federal, State and Local regulations. Flush to sewer with plenty of water if permitted by applicable regulations. Waste material might have to be disposed of by an approved contractor.

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**SECTION VIII - SPECIAL PROTECTION DATA**

**Ventilation:** Local Exhaust: Recommended if dusting occurs.

**Mechanical Equipment:** Recommended if there is a release of sulfur dioxide gas. Keep incompatible materials out of hoods, ducts, etc.

**Respiratory Protection:** If dusting occurs, while handling this product wear a NIOSH approved respirator. If sulfur dioxide should be released, use a NIOSH approved gas respirator.

**Protective Gloves:** Cotton gloves for dry product. For solutions wear impervious gloves.

**Eye Protection:** If exposed to dust or solution, wear hard hat and chemical safety goggles. DO NOT wear contact lens when handling this product. Eyes must be protected if dissolving this material in water.

**Other Equipment:** Clothes should completely cover skin to avoid skin contact. Coats, coveralls, or aprons are recommended. Eye wash station is recommended.

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**SECTION IX - SPECIAL PRECAUTIONS DATA**

**Handling and Storage:** Avoid contact with eyes, skin or clothing. Avoid breathing dust. Use with adequate ventilation. Store in a cool dry area, away from acids or oxidizers. Keep containers closed tightly. Protect them from physical damage.

**Label Signal :** CAUTION

**Other:** Wear all recommended protective equipment when handling this product. When dissolving, add water cautiously. Stirring solution can get hot. Personnel handling this product should be aware of the location of the nearest eye wash station.

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**SECTION X - TRANSPORTATION INFORMATION**

This material is not a hazardous material and is not regulated by the D.O.T. For all transportation accidents, call **CHEMTREC** at 800-424-9300.

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300