

# Material Safety DATA SHEET

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For chemical emergency spill, leak, fire, exposure or accident call (CHEMTREC) 800-424-9300. This MSDS complies with 29 CFR 1919.1200 (The Osha Hazard Communication Standard).

## Section 1: Identification

**Product / Chemical Name:**  
**Rust Remover**

**Product Identification No:** Rust Remover  
**Chemical Family:** Mixture  
**Trade Name and Synonyms:** N/A  
**Molecular Formula:** C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>S.H<sub>3</sub>N  
**Chemical Name:** N/A  
**Chemical Formula:** N/A  
**Rational Formula:** HS-CH<sub>2</sub>COONH<sub>4</sub>

**Distributor Name:**  
Alpha Professional Tools®  
**Address:**  
103 Bauer Drive, Oakland, NJ 07436  
**Emergency Tel. No.:**  
800-648-7229

## Section 2: Hazard(s) Identification

**Hazardous Decomposition Products:**  
Can release hydrogen sulfide, sulfur oxides and ammonia under decomposition.

## Section 3: Composition/Information on Ingredients

Chemical Name	CAS#	EINECS#	%
Ammonium thioglycolate	5421-46-5	226-540-9	45
Water			47
Rice Powder			7
Others			1

**Molecular Formula:** C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>S.H<sub>3</sub>N  
**Rational Formula:** HS-CH<sub>2</sub>COONH<sub>4</sub>

## Section 4: First-Aid Measures

**Eyes:** Flush eyes, if exposed with water for 15 minutes, then see a physician.  
**Skin:** Wash exposed area thoroughly with soap and water.

**Ingestion:** Do not induce vomiting. Seek immediate medical attention.  
**Inhalation:** Get medical attention.

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## Section 5: Fire-Fighting Measures

**Flash Point (Method Used):** No data available  
**Extinguishing Media:** Foam, carbon dioxide, dry chemical

### Fire Fighting Procedures:

Use chemical respiratory protection or self breathing apparatus. Use protective gloves and other clothing. Water fog may be used to combat larger fires.

### Unusual Fire & Explosion Hazard:

Can release hydrogen sulfide, sulfur oxides, and ammonia on thermal decomposition.

## Section 6: Accidental Release Measures

**Step to be Taken if Material is Released or Spilled:** Remove sources of spark or combustion. Sweep up spilled material.

### Neutralizing Chemicals:

**Waste disposal Method:** Dispose by incineration.

## Section 7: Handling and Storage

### Precautions to be taken in handling and storage:

Avoid contact of liquid with skin or eyes. Store in a cool, dry place.

## Section 8: Exposure Controls/Personal Protection

**Ventilation Requirements:** Use adequate ventilation.  
**Respiratory:** Cartridge type respirator rated for organic chemical exposure.

**Eyes:** Chemical safety goggles.  
**Gloves:** Butyl rubber quantiet type  
**Other Clothing and Equipment:**

## Section 9: Physical and Chemical Properties

**Boiling Point:**  
**Evaporation Rate (Ether=1):**  
**Solubility:**  
**Specific Gravity R,0=1:** 1.245(25C)  
**Appearance & Odor:** Colorless liquid, characteristic odor  
**Vapor Pressure:**

**Vapor Density (AIR=1):**  
**% Volatiles by VOL.070F :**  
**ph:** 6.85-6.98  
**Hazardous Decomposition Products:**  
Can release hydrogen sulfide, sulfur oxides and ammonia under decomposition.

### Section 10: Stability and Reactivity

**Stability:**

Stable with normal handling and storage.  
Hazardous polymerization will not occur

**Conditions to avoid:**

Keep away from oxidizing materials.

### Section 11: Toxicological Information

**Threshold Limit Value:** Unknown**Effects of Overexposure Inhalation:** Unknown**Skin:** May cause irritaiton**Eyes:** May cause irritation**Chronic Overexposure Effects:**

### Section 12: Ecological Information (non-mandatory)

### Section 13: Disposal Considerations (non-mandatory)

**Step to be Taken if Material is Released or Spilled:** Remove sources of spark or combustion. Sweep up spilled material.**Neutralizing Chemicals:****Waste disposal Method:** Dispose by incineration.

**Section 14: Transport Information (non-mandatory)**

**Section 15: Regulatory Information (non-mandatory)**

**Section 16: Other Information**

**MSDS Creation Date:** 1/2/2006 **Revision #4 Date:** Original.

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