# Safety Data Sheet

**Section 1: Identification**

<table>
<thead>
<tr>
<th>Product / Chemical Name:</th>
<th>Rust Remover (RSR2000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Identification No:</td>
<td>Rust Remover</td>
</tr>
<tr>
<td>Chemical Family:</td>
<td>Mixture</td>
</tr>
<tr>
<td>Trade Name and Synonyms:</td>
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<tr>
<td>Molecular Formula:</td>
<td>C2H4O2S.H3N</td>
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<tr>
<td>Chemical Name:</td>
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<td>Chemical Formula:</td>
<td>N/A</td>
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<tr>
<td>Rational Formula:</td>
<td>HS-CH2COONH4</td>
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<table>
<thead>
<tr>
<th>Distributor Name:</th>
<th>Alpha Professional Tools®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>103 Bauer Drive, Oakland, NJ 07436</td>
</tr>
<tr>
<td>Emergency Tel. No.:</td>
<td>800-648-7229</td>
</tr>
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</table>

**Section 2: Hazard(s) Identification**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>%</th>
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<tbody>
<tr>
<td>Ammonium thioglycolate</td>
<td>5421-46-5</td>
<td>226-540-9</td>
<td>40</td>
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<tr>
<td>Water</td>
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<td></td>
<td>49</td>
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<tr>
<td>Rice Powder</td>
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<td>10</td>
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<tr>
<td>Others</td>
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</table>

**GHS classification** Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

**Eye irritation** (Category 2A)

**Skin irritation** (Category 2)

**Classification according to EU Directives** 67/548/EEC or 1999/45/EC

Irritating to eyes and skin

**Label elements Labelling according Regulation (EC) No 1272/2008 [CLP]**

**Signal word** Warning

**Hazard statement(s)**

H315 Causes skin irritation.
H319 Causes serious eye irritation.

**Precautionary statement(s)**

P273 Avoid release to the environment.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Supplemental Hazard** none

**R-phrase(s)** R36/38 Irritating to eyes and skin.

**S-phrase(s)**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap and water.

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

**Other hazards** - none

**Section 3: Composition/Information on Ingredients**

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<tr>
<td>Others</td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**Section 4: First-Aid Measures**

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
### Section 5: Fire-Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Sweep up, then place into a suitable container for disposal.

### Section 7: Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low. Personal Protective Equipment.

**Eyes:** Wear safety glasses and chemical goggles if splashing is possible.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

### Section 9: Physical and Chemical Properties

**Physical State:** Paste

**Appearance:** white

**Odor:** Characteristic odor

**pH:** 7~8 (1%aq 25 deg C)

**Vapor Pressure:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** Not available.

**Autoignition Temperature:** Not available.

**Flash Point:** Not available.

**Explosion Limits, lower:** Not available.

**Explosion Limits, upper:** Not available.

**Decomposition Temperature:** Not available.

**Solubility in water:** insoluble in ether.

**Specific Gravity/Density:** 1.24g/cm³ (20 deg C)
Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal storage/handling conditions.

**Conditions to Avoid:** Contact with incompatible materials. Heat.

**Incompatibilities with Other Materials:** Oxidizing agents.

**Hazardous Decomposition Products:** Carbon oxides, Sulfur oxides, Nitrogen oxides

Section 11: Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

Acute toxicity (Oral)
[GHSCat. Japan, base data]
(Ammonium mercaptoacetate)
rat LD50 =35~142mg/kg (OECD TG 423) (SiDS, 2009)

**Acute toxicity (Dermal)**

[GHSCat. Japan, base data]
(Ammonium mercaptoacetate)
rat LD50 >2000mg/kg (OECD TG 402, 71% solution) (SiDS, 2009)

**Irritant properties**

[GHSCat. Japan, base data]
Skin corrosion/irritation
(Ammonium mercaptoacetate)
rabbit: Slightly irritating (OECD TG 404, 71% solution) (SiDS, 2009)

**Serious eye damage /irritation**

[GHSCat. Japan, base data]
(Ammonium mercaptoacetate)
rabbit: Slightly irritating (OECD TG 404, 71% solution) (SiDS, 2009)

**Skin sensitization**

[GHSCat. Japan, base data]
(Ammonium mercaptoacetate)
cat 1A; mouse; OECD TG 429; SiDS, 2009

No Mutagenic effects data available
No Teratogenic effects data available
No Carcinogenic effects data available
No reproductive toxicity data available
No STOT-single/repeated exposure data available
No Aspiration hazard data available

**Additional data**

There is no data available on the preparation itself.

Section 12: Ecological Information (non-mandatory)

**Toxicity**

No Aquatic toxicity data available.
No Persistence and degradability data available.
No Bioaccumulative potential data available.

**Additional information**

There is no data available on the preparation itself.

Section 13: Disposal Considerations (non-mandatory)

**Waste treatment methods:** Dispose of contents/container in accordance with local/national regulation
### Section 14: Transport Information (non-mandatory)

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<td>Marine pollutant: NO</td>
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<td>Packing group</td>
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<td>Marine pollutant (Sea): NO</td>
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</table>

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

Safety, health and environmental regulations/legislation specific for the substance or mixture

**US major regulations**

**TSCA**

Ammonium mercaptoacetate; Water

**Other regulatory information**

We are not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility. Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations

### Section 16: Other Information

**SDS Creation Date:** 12/19/2016

**Prepared By:** Manufacturer’s Technical Services Department

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

GHS Classification is according to JIS Z7252(2010). *JIS: Japanese Industrial Standards*