

Safety DATA SHEET

DOCUMENT NO.: 514 | REVISED DATE 02/18/25



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

Section 1: Identification

Product / Chemical Name:
Rust Remover (RSR2000)
Product Identification No: Rust Remover
Chemical Family: Mixture
Trade Name and Synonyms: N/A
Molecular Formula: C₂H₄O₂S.H₃N
Chemical Name: N/A
Chemical Formula: N/A
Rational Formula: HS-CH₂COONH₄

Distributor Name:
Alpha Professional Tools®
Address:
16 Park Dr Ste 9, Franklin, NJ 07416
Emergency Tel. No.:
800-648-7229

Section 2: Hazard(s) Identification

Chemical Name	CAS#	EINECS#	%
Ammonium thioglycolate	5421-46-5	226-540-9	40
Water			49
Rice Powder			10
Others			1

Section 3: Composition/Information on Ingredients

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-phrases **R36/38** Irritating to eyes and skin.
S-phrases
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 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.

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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)

[GHS Cat. Japan, base data]

(Ammonium mercaptoacetate)

rat LD50 =35~142mg/kg(OECD TG 423) (SIDS, 2009)

Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

(Ammonium mercaptoacetate)

rat LD50 >2000mg/kg(OECD TG 402, 71% solution)

(SIDS, 2009)

Irritant properties

[GHS Cat. Japan, base data]

Skin corrosion/irritation

(Ammonium mercaptoacetate)

rabbit: Slightly irritating (OECD TG 404, 71% solution)

(SIDS, 2009)

Serious eye damage /irritation

[GHS Cat. Japan, base data]

(Ammonium mercaptoacetate)

rabbit: Slightly irritating (OECD TG 404, 71% solution)

(SIDS, 2009)

Skin sensitization

[GHS Cat. 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)

ADR/RID Not Regulated

UN number

Proper shipping name:

UN classification

Subsidiary hazard class

Labels

Packing group

Marine pollutant: NO

IMDG Not Regulated

UN number

Proper shipping name:

UN classification

Subsidiary hazard class

Packing group Marine pollutant (Sea): NO

IATA Not Regulated

UN number

Proper shipping name:

UN classification

Subsidiary hazard class

Packing group

Environmentally Hazardous: NO

Substance

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: 02/18/25

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