

Product RUST INHIBITOR, 1 GALLON JUG
Revision Date 08/07/2020
Revision 1



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name RUST INHIBITOR, 1 GALLON JUG
Product Code C261562
Identifier Uses No specific uses identified.

Supplier Auto Technology Company
 20026 Progress Drive
 Strongsville, Ohio 44149
 Tel: (1-440-572-7800)

Contact Person sales@autotechnology.com
Emergency Telephone Chemtrec 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Appearance Liquid.
Color Green.
Odor Slight odor.

Pictogram(s)



Signal Word Danger

Hazard Statements

H303 May be harmful if swallowed
 H316 Causes mild skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 H360 May damage fertility or the unborn child [*].
 H373 May cause damage to organs [*] through prolonged or repeated exposure [*].

Precautionary Statements

P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Contains

2-aminoethanol
 2,2'-iminodiethanol
 boric acid
 methyl-1H-benzotriazole
 ammonium chloride

GHS Classification
 Physical and Chemical Hazards Not classified

Human Health	Acute Tox 5 - H303, Skin Irrit.3 - H316, Eye Dam. 1 - H318, Repr. 1B- H360, STOT SE 3 - H335, STOT RE 2 - H373
Environment	Not classified
OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
Inhalation	Exposure to product mists or vapors may cause slight irritation to the respiratory system.
Ingestion	Harmful if swallowed.
Skin contact	May cause mild skin irritation.
Eye contact	Exposure to liquid product may cause severe irritation to eyes, and possibly burns or eye damage. Symptoms of exposure may include redness, itching, swelling, tearing or pain. Effects of contact may be delayed. Avoid contact.
Routes of Exposure	No Information available.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	GHS Classification	%
water	CAS-No.: 7732-18-5 EC No.: 231-791-2		30-60%
2-aminoethanol	CAS-No.: 141-43-5 EC No.: 205-483-3	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Corr. 1B - H314, STOT SE 3 - H335	1-10%
2,2'-iminodiethanol	CAS-No.: 111-42-2 EC No.: 203-868-0	Aquatic Chronic 3 - H412, Acute Tox 4 - H302, Skin Irrit.2 - H315, Eye Dam. 1 - H318, STOT RE 2 - H373	1-10%
2,2',2''-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8		10-30%
boric acid	CAS-No.: 10043-35-3 EC No.: 233-139-2	Repr. 1B- H360	1-10%
methyl-1H-benzotriazole	CAS-No.: 29385-43-1 EC No.: 249-596-6	Aquatic Chronic 2 - H411, Acute Tox 4 - H302	1-10%
ammonium chloride	CAS-No.: 12125-02-9 EC No.: 235-186-4	Acute Tox 4 - H302, Eye Irrit.2A - H319	0-1%
disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate	CAS-No.: 518-47-8 EC No.: 208-253-0		0-1%

Composition Comments The information given in this Safety Data Sheet is for guidance only.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Information	General first aid, rest, warmth and fresh air.
Inhalation	If this product is inhaled, move the exposed person to fresh air promptly. Give artificial respiration if the exposed person is not breathing. Seek medical attention if symptoms persist.
Ingestion	If this product is ingested, drink small amounts of water and seek medical attention promptly. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Immediately flush with plenty of water for up to 15 minutes.

Most important symptoms and effects, both acute and delayed

General Information	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
Inhalation	Exposure to product mists or vapors may cause slight irritation to the respiratory system.
Ingestion	Harmful if swallowed.
Skin contact	May cause mild skin irritation.
Eye contact	Exposure to liquid product may cause severe irritation to eyes, and possibly burns or eye damage. Symptoms of exposure may include redness, itching, swelling, tearing or pain. Effects of contact may be delayed. Avoid contact.
Routes of Exposure	No Information available.

Most important symptoms and effects, both acute and delayed

Notes To The Physician No information available

SECTION 5: Firefighting Measures

Auto Ignition Temperature (°C) No Information available.
Flammability Limit - Lower(%) No Information available.
Flammability Limit - Upper(%) No Information available.
Flash point 204.0 °F

Extinguishing Media Use water, carbon dioxide, dry chemical, foam and alcohol foam.
Hazardous combustion products No information available
Unusual Fire & Explosion Hazards No unusual fire or explosion hazards noted.
Special Fire Fighting Procedures No information available
Protective equipment for fire-fighters Fire fighters should wear self-contained breathing apparatus in confined areas.

SECTION 6: Accidental Release Measures

Personal Precautions Use proper personal protection (refer to Section 8). In case of inadequate ventilation, use respiratory protection. In case of spills, beware of slippery floors and surfaces.
Environmental Precautions Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.
Spill Clean Up Methods Mop up or use absorbent material, wash area, discard in suitable containers. Remove to a waste disposal facility operating in compliance with federal, state, and local regulations.

SECTION 7: Handling and Storage

Handling Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest.
Usage Description Use only according to directions.
Storage Precautions Store in closed container away from incompatible materials, sunlight and heat to prolong shelf life. Minimize exposure in accordance with good hygiene practices. Keep out of reach of children.
Specific End Use(s) The identified uses are in section 1 of this Safety Data Sheet.

SECTION 8: Exposure Controls/Personal Protection**Protective Equipment**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
2-aminoethanol	OSHA	3ppm	6mg/m3			

Ingredient Comments OSHA

Process Conditions Keep container tightly sealed when not in use. Provide eyewash, quick drench.
Engineering Measures Local exhaust is recommended for confined areas. General mechanical ventilation is adequate for normal use.
Respiratory Equipment If ventilation is insufficient, suitable respiratory protection must be provided.
Hand Protection Chemical resistant rubber gloves, such as polyvinyl chloride-coated are recommended.
Eye Protection To avoid contact with eyes, use safety glasses. Eye wash station should be available in the work area.
Hygiene Measures DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Liquid.
Color	Green.
Odor	Slight odor.
Odor Threshold - Lower	No Information available.
Odor Threshold - Upper	No Information available.
pH-Value, Conc. Solution	No Information available.
Melting point	No Information available.
Initial boiling point and boiling range	212.0 °F
Flash point	204.0 °F
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Vapor pressure	No Information available.
Vapor Density (air=1)	No Information available.
Relative density	1.04 @ 0.0
Bulk Density	No Information available.
Solubility	Appreciable.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information available.
Explosive Properties	No information available.
Oxidizing Properties	No Information available.
Molecular Weight	No Information available.
Volatile Organic Compound	No Information available.

SECTION 10: Stability and Reactivity

Reactivity	Reactions may occur with strong oxidizing materials.
Stability	This product is stable at ambient temperatures and atmospheric pressures.
Hazardous Polymerisation	Hazardous polymerization is not expected to occur under normal temperatures and pressures.

Hazardous Decomposition Products	Oxides of carbon.
Conditions to Avoid	Avoid contact with products containing nitrate. Under certain conditions amines may react with nitrates to form potentially carcinogenic nitrosamines.
Materials to Avoid	Keep away from nitrates.

SECTION 11: Toxicological Information

Toxicological Information	No toxicological information for the overall finished product.
Acute Toxicity (Oral LD50)	No Information available.
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitisation	No Information available.
Skin Sensitisation	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	2,2'-iminodiethanol: 2B IARC Group 2B Possibly carcinogenic to humans. 2,2',2''-nitrilotriethanol: 3 IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

SECTION 12: Ecological Information

Ecotoxicity	No Information available.
Acute Toxicity - Fish	No Information available.
Acute Toxicity - Aquatic Invertebrates	No Information available.
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	No information available.
Bioaccumulative Potential	No data available on bioaccumulation.
Mobility	No information available
Results of PBT and vPvB Assessment	The product does not contain any PBT or vPvB Substances.
Other Adverse Effects	None known.

SECTION 13: Disposal Considerations

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Dispose of waste and residues in accordance with local authority requirements. The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

SECTION 14: Transport Information

UN No. (DOT/TDG)	Not applicable.
UN No. (IMDG)	Not applicable.
UN No. (ICAO)	Not applicable.
DOT Proper Shipping Name	Not applicable.
TDG Proper Shipping Name	Not applicable.
DOT Hazard Class	Not applicable.
DOT Hazard Label	Not applicable.
TDG Class	Not applicable.
TDG Label(s)	Not applicable.
IMDG Class	Not applicable.
ICAO Class	Not applicable.
Transport Labels	
DOT Pack Group	Not applicable.
IMDG Pack Group	Not applicable.
Air Pack Group	Not applicable.
EMS	Not applicable.
Environmentally Hazardous Substance/Marine Pollutant	No

SECTION 15: Regulatory InformationUS Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed None Listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed None Listed.

SARA 313 Emission Reporting

The Following ingredients are listed None Listed.

CAA Accidental Release Prevention

The Following ingredients are listed 2,2'-iminodiethanol
ammonium chloride

OSHA Highly Hazardous Chemicals

The Following ingredients are listed None Listed.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed 2,2'-iminodiethanol

California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-Ii)

The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List

The Following ingredients are listed

- 2-aminoethanol
- 2,2'-iminodiethanol
- 2,2',2''-nitrilotriethanol
- ammonium chloride

Rhode Island "Right To Know" List

The Following ingredients are listed

- 2,2'-iminodiethanol

Minnesota "Right To Know" List

The Following ingredients are listed

- 2-aminoethanol
- 2,2'-iminodiethanol
- 2,2',2''-nitrilotriethanol
- ammonium chloride

New Jersey "Right To Know" List

The Following ingredients are listed

- 2-aminoethanol
- 2,2'-iminodiethanol
- 2,2',2''-nitrilotriethanol
- ammonium chloride

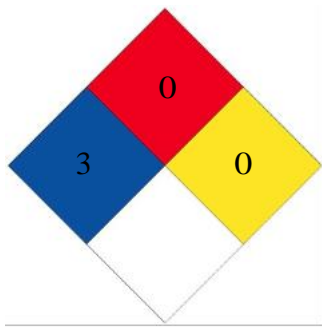
Pennsylvania "Right To Know" List

The Following ingredients are listed

- 2-aminoethanol
- 2,2'-iminodiethanol
- 2,2',2''-nitrilotriethanol
- ammonium chloride

SECTION 16: Other Information

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

Health	3
Flammability	0
Physical Hazard	0
Personal Protection	B

Revision Comments

Revision Date 06/23/2015

Revision 1

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.