



ANTI-SEIZE TECHNOLOGY
A.S.T. Industries, Inc.

RUST TREATMENT AEROSOL

SAFETY DATA SHEET

Section 1- Product and Company Identification

Trade Name: RUST TREATMENT, AEROSOL

Product Type: AEROSOL

Restrictions of Use: Use only as directed.

Stock Number: 17047

Manufacture / Supplier: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300

Web Address: antiseize.com

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053

Date: March 25, 2015

Section 2- Hazard Identification

GHS Classification (Hazcom 2012):

Flammable Aerosol, Category 1

Gases Under Pressure – Compressed Gas

Reproductive Toxicity, Category 2

Specific Target Organ Toxicity – Repeated Exposure Category 3 (Narcotic effects)

Hazardous to the Aquatic environment, acute, Category 3

Hazardous to the Aquatic environment, long term hazard. Category 3

Aspiration Hazard Category 1

Label Elements:



Signal Word:

Danger

Hazard Statement

Extremely flammable aerosol.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, hot surfaces- no smoking.
Do not spray on open flame or other ignition sources.
Pressurized container: Do not pierce or burn even after use.
Do not breath gas.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye protection, face protection.

Response

If exposed or concerned: Get medical attention/advice.

Storage

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 122°F, (50°C)

Disposal

Dispose of contents/container in accordance with local, regional, national, international regulations.

Hazards not otherwise classified: None known

Section 3- Composition

Chemical Name	CAS#	%
Ethyl Alcohol	64-17-5	40-60
Propylene Glycol methyl ether	107-98-2	20-40
Tannic Acid	1401-55-4	2.5-10
Toluene	108-88-3	2.5-10
Propane	74-98-6	5-15
Butane	106-97-8	5-15

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Eye: Immediately flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin: I case of contact, wash thoroughly with plenty of water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention.

Ingestion: Aspiration Hazard. DO NOT induce vomiting. Get immediate medical attention.

Most Important symptoms and effects, both acute and delayed: Headache. Irritation of eyes and mucous membranes. Irritation of nose and throat. Coughing. Skin irritation. Prolonged exposure may cause chronic effects.

Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General Information

If exposed or concerned get medical advice or attention. If you feel unwell, seek medical advice. If possible bring can to medical personnel. Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical. Do not use water jet as an extinguisher as this will spread fire.

Special Hazards Arising from the Chemical: Extremely flammable aerosol. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Combustion may produce carbon dioxide, carbon monoxide.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Protect against bursting cans.

General fire hazards: Extremely flammable aerosol

Section 6 – Accidental Release Measures

Personal protective equipment, precautions and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean up. Do not breath gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillage cannot be contained. For personal protection see Section 8 of the SDS.

Methods and materials for containment of cleaning up:

Refer to attached safety data sheet and/or instructions for use. Eliminate all sources of ignition. No smoking, flares, sparks or flames in immediate area) Keep combustible (i.e. wood, paper, cardboard, chemicals) away from spilled material. Stop leak if you can do so without risk. Move the container to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewers, basements or confined areas.

Small spills: wipe up with absorbent materials (cloths, paper towels, kitty litter) Clean surfaces thoroughly to remove residual contamination. For waste disposal see Section 13. This material and its container must be disposed of as hazardous waste.

Environmental precautions:

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental release. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains,

water courses or onto the ground.

Section 7 – Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Vapors may form explosive mixtures with air. Pressurized container: do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not tamper with valve. Do not spray on open flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind or expose containers to heat, flame, sparks or other sources of ignition. All equipment used when handling the product must be grounded. Do not breath gas. Avoid prolonged exposure. Do not use in areas without adequate ventilation. **Pregnant or breastfeeding women must not handle this product.** Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage: Level 2 Aerosol

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F, (50°C). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source.

Section 8 – Exposure Controls / Personal Protection

Ethyl Alcohol	1900mg/m3 OSHA PEL 1000ppm ACGIH STEL
Toluene	300ppm OSHA PEL 20ppm ACGIH TWA
Propylene Glycol Methyl ether	100ppm ACGIH STEL
Propane	1000 ppm TWA OSHA PEL
Butane	1000 ppm STEL ACGIH TLV

Ventilation:

Use in well-ventilated area with local exhaust.

Respiratory protection:

Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits. When processing large amounts, use a light duty construction compressed air line breathing apparatus (e.g., in accordance with EN1835), a mask with filter (type A class 3, color brown) or a filtering half mask (e.g., in accordance with EN 405) when there is inadequate ventilation.

Eye protection:

Safety glasses with side shields or chemical goggles must be worn.

Skin protection:

If prolonged or repeated skin contact is likely, neoprene gloves should be worn. Good personal hygiene practices should always be followed.

General hygiene considerations:

Section 9 – Physical and Chemical Properties

Appearance: Aerosol Color: purple black	Vapor Density (air = 1): No data
Odor: Mild solvent odor	Specific Gravity: 1.84 estimated
Odor Threshold: Not established	Water Solubility: Not available
pH: Not available	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: Not available	Autoignition Temperature: 856°F estimated
Boiling Point: 128.7°F (53.7°C) estimated	Decomposition Temperature: Not available
Flash Point: -156 °F (propellant)	Viscosity: Not available
Evaporation Rate: Not available	Explosion Properties: None
Flammable Limits: LEL: 2.4% estimated UEL: 12.2 % estimated	Oxidizing Properties: Not oxidizing
Vapor Pressure: 50psig @70°F, estimated	Aerosol Fire Protection Level: Level 2 Aerosol (NFPA 30B)
	Flammability (solid, gas): Propellant if a flammable gas

Section 10 – Stability and Reactivity
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Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions. Risk of ignition.

Possibility of Hazardous Reactions: None known. Hazardous polymerization will not occur.

Conditions to Avoid: Keep away from heat, sparks, flames and other sources of ignition. Dropping containers may cause bursting.

Incompatible Materials: Avoid strong oxidizing agents and acids. Concentrated oxygen. Nitrates. Fluorine. Chlorine.

Hazardous Decomposition Products: Thermal decomposition may produce carbon dioxide, carbon monoxide.

Section 11 – Toxicological Information

Information on likely routes of exposure

Ingestion: expected to be low ingestion hazard

Inhalation: May cause damage to organs through prolonged or repeated exposure by inhalation.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Symptoms related to the toxicological effects: Headache. Irritation of nose and throat. Irritation of eyes and mucous membranes. Coughing. Skin irritation.

Acute Toxicity Values

Butane: Inhalation, Mouse, LC50 1237mg/l, 120 minutes

Propane: Inhalation: Mouse, LC50 1237 mg/l, 120 minutes
Rat, LC50 1355 mg/l, 658 mg/l, 4 hr.

Ethyl Alcohol: Inhalation, Mouse, LC50 >60000ppm, 79.43 mg/l, 134 minutes.

Inhalation, Rat, LC50 ? 115.9mg/l, 4 hrs.

Oral, Mouse, LD50 10500 ml/kg

Oral, Rat, LD50 1187-2769 mg/kg

Propylene Glycol Methyl Ether

Skin, Rabbit, LD50 >13000mg/kg, 24 hr.

Skin, Rat, >2000 mg/kg, Days

Inhalation, Rat, LC100 10400 ppm

Inhalation, Mouse, 6000-7000 ppm, 6 hrs.

Oral, Rat, 3739 mg/kg

Toluene

Skin, Rabbit, LD50>5000 mg/kg, 24 hrs.

Inhalation, Mouse, LC50 6405-7436 ppm, 6 hrs.

Inhalation, Rat, 5879-6281ppm, 6 hrs.

Oral, Rat, LD50 5000mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.

Respiratory sensitization: Not available

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or its components present greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive Toxicity: Possible reproductive hazard. May damage fertility or the unborn child. Suspected of damaging fertility or the unborn child.

Specific Target organ toxicity, single exposure: Not classified.

Specific target organ toxicity: Respiratory system. Skin . Kidneys. Central nervous system. Eyes. Liver. May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not likely due to the form of the product.

Chronic effects: Danger of serious damage to health by prolonged exposure. May cause damage to organs through prolonged or repeated exposure.

Further Information: Reproductive toxicity. Symptoms may be delayed.

Section 12 – Ecological Information

Rust Treatment spray:

Aquatic

Algae, IC50 16205 mg/L, 72 hrs.
Crustacean, EC50, Daphnia, 286 mg/L, 48 hrs.
Flathead Minnow, LC50 >100 mg/L, 96 hrs.

Propylene Glycol Methyl Ether

Aquatic

Crustacean, Daphnia, EC50 23300 mg/L, 48 hrs.
Tannic Acid
Aquatic
Western mosquitofish, LC50 37mg/L, 96 hrs.

Toluene

Aquatic

Algae, IC50, 433 mg/L, 72 hrs.
Crustacea, Daphnia, EC50 7.6 mg/L, 48 hrs.
Coho Salmon, LC50 8.1 mg/L, 96 hrs.

Persistence and degradability: No data is available on the degradability of this product.
Bioaccumulative potential: No data available.

Partition coefficient n-octanol/water (log Kow)

Butane, 2.89
Ethyl Alcohol, -0.31
Propane, 2.36
Toluene, 2.73

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 – Disposal Consideration

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional , national, international regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Toluene (CAS 108-88-3)

U220

Waste from residues / unused: Dispose of in accordance with local regulations. Empty containers or liners may retain some products product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Section 14- Transport Information
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DOT Ground (49CFR)

Proper Shipping Name: Aerosols, flammable

Hazard Class: 2.1, Ltd Qty

Identification Number: UN1950

ICAO/IATA

Proper Shipping Name: Aerosols, flammable

Hazard Class: 2.1, Ltd Qty

Identification Number: UN 1950

IMDG Shipping Description:

Proper Shipping Name: Aerosols, flammable

Hazard Class: 2.1, Ltd Qty

Identification Number: UN 1950

Section 15 – Regulatory Information
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US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707. Subpt. D)

Not regulated.

CERCLA Hazardous Substance

List (40 CFR 302.4)

Toluene (CAS 108-88-3) Listed.

SARA 304 Emergency release

notification

Not regulated .

OSHA Specifically Regulated

Substances (29 CFR 1910.1001-

1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard -No

Delayed Hazard –Yes

Fire Hazard –Yes

Pressure Hazard –Yes

Reactivity Hazard -No

SARA 302: Not Listed

SARA 313 / 312: No

SARA 313: Toluene 2.5-10%

California Prop 65: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: Toluene.

Section 16 – Other Information:
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The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of his product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.