



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

Zinc Cold Galvanizing Spray Aerosol SAFETY DATA SHEET

Section 1- Product and Company Identification

Product Code: 17045

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

Phone: 847-455-2300

Fax: 847-455-2371

Web: antiseize.com

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053 (US & Canada)
1-352-323-3500 (International)
Web: infotrac.net

Product Use: Galvanizing Spray
Restriction of Use: Only as directed

Date: August 17, 2023

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):

Extremely Flammable aerosol—Flam. Aerosol 1

Contains Gas under pressure; May explode if heated- Pressurized Gas

Causes Skin Irritation- Category 2

Causes serious eye irritation-Category 2

May damage fertility or the unborn child-Category 1B

May cause drowsiness or dizziness- STOT 3

May cause damage to organs through prolonged or repeated exposure- STOT 2

Label Elements:



Signal word: DANGER

Hazard Phrases:

Extremely flammable aerosol

Contains gas under pressure, may explode if heated

Causes skin irritation

Causes serious eye irritation

May damage fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Precautionary Phrases:

Obtain special instructions before use
Do not spray on an open flame or other ignition source.
Pressurized container. Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapor/spray.
Wash thoroughly after handling.
Use only outdoors or in a well ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Phrases: Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. Call a poison center/doctor if you feel unwell.
Specific treatment (see on label)
Take off contaminated clothing and wash it before reuse.
If eye irritation persists: Get medical advice/attention.

Storage:

Store in well ventilated place.
Store locked up.
Protect from sunlight. Store in a well ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Disposal:

Dispose of contents in accordance with local, regional and national regulations.

Other Hazards: Toxic to aquatic life with long lasting effects.

Section 3- Composition/ Information on Ingredients

This product is a mixture of the substances listed below with nonhazardous additions.

CHEMICAL	CAS NUMBER	PERCENT
Acetone	67-64-1	25-50
Propane	74-98-6	15-25
Toluene		≥15-<20
n-Butane	106-97-8	10-15
Mineral Spirits	64742-47-8	1-5

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: Causes eye and skin irritation. Product is an aspiration hazard. May enter the lungs during swallowing or vomiting and cause lung damage. Inhalation may cause irritation, headache, dizziness and drowsiness.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention required for ingestion.

Section 5 – Fire Fighting Measures

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical.

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.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. Eliminate all sources of ignition with explosion-proof equipment. Ventilate area.

Environmental Hazards: Report spills and releases as required to appropriate authorities.

Methods and Material for Containment and Cleaning Up: Place leaking container into a suitable container and place in a well-ventilated area until the propellant has dissipated. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

Section 7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate ventilation. Keep away from heat sources. Contents under pressure. Do not puncture or incinerate container. Do not smoke while using.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight.

Section 8 – Exposure Controls / Personal Protection

CHEMICAL NAME	EXPOSURE LIMITS
ACETONE 67-64-1	2400mg/m ³ , 1000ppm OSHA, PEL 590 mg/m ³ , 250ppm OSHA, REL
PROPANE 74-98-6	1800mg/m ³ , 1000ppm, OSHA PET 1800mg/m ³ , 1000ppm, OSHA REL
TOLUENE	200ppm OSHA PEL STV 560mg/m ³ , , 150ppm, OSHA REL 20ppm OSHA TLV
BUTANE	1900 mg/m ³ , 800ppm, OSHA REL 2370 mg/m ³ , 1000ppm, OSHA TLV
BUTYL ACETATE	LTV- 710mg/m ³ , 150ppm, OSHA PEL STV- 950 mg/m ³ , 200ppm OSHA REL STV-712/mg/m ³ , 150ppm OSHA TLV

Ingredients with biological limit values.

Acetone 67-64-1: BEI 50mg/L, Medium: Urine,

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. If the product is used at high temperatures, local exhaust ventilation may be required.

Individual Protection Measures:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with organic vapor/particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: Impervious gloves such as rubber or nitrile recommended where needed to avoid prolonged skin contact .

Eye Protection: Safety glasses or goggles recommended where needed to avoid eye contact.

Section 9 – Physical and Chemical Properties

Appearance: silver gray aerosol	Vapor Density (air = 1): Not determined
Odor: solvent like until dry	Specific Gravity: 0.7-0.8
Odor Threshold: Not established	Water Solubility: Not soluble
pH: Not available	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: No data	Autoignition Temperature: Not available
Boiling Point: -110 °C, (-166 °F)	Decomposition Temperature: Not available
Flash Point: -19°C, (-22°F)	Viscosity: Not available
Evaporation Rate: slower than ether	Explosion Properties: None
Flammable Limits: LEL: 1.7 Vol % UEL: 10.9 Vol %	Oxidizing Properties: Not oxidizing
Vapor Pressure: Not established	Aerosol Fire Protection Level: 3

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.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Use with strong oxidizing chemicals such as concentrated acids.

Incompatible Materials: Avoid strong oxidizing agents and acids.

Hazardous Decomposition Products: The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.

Section 11 – Toxicological Information

LD/LC 50 values that are relevant for classification
Butyl Acetate 14,000mg/kg (rat), oral, LC50/4hr >21mg/L (rat)

Potential Health Effects:

Eye: May cause mild irritation.

Skin: Prolonged contact may cause mild irritation of the skin.

Inhalation: No adverse effects expected at ambient temperatures. Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Chronic Hazards: Prolonged inhalation of thermal decomposition products may result in lung damage.

Carcinogen Status: None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

Section 12 – Ecological Information

Aquatic toxicity: Hazardous for water, do not empty into drains.

Persistence and Degradability: The product is degradable after prolonged exposure to natural weathering processes.

Other Information: This product does not contain any chlorofluorocarbons (CTC), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), Heavy metals or chlorinated solvents

Section 13 – Disposal Consideration

Waste disposal: Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Incineration is the preferred method of disposal, although it may be landfilled at an approved facility.

Section 14- Transport Information

DOT Proper Shipping Name: UN1950, Aerosols, 2.1, Limited Quantity

DOT Technical Name: None

DOT Hazard Class: 2.1

UN Number: UN1950

DOT Labels Required (49CFR172.101): LTD QTY

IMDG Shipping Description: UN1950, Aerosols, 2.1, Limited Quantity,

ID Number: UN1950

Hazard Class: 2.1

Packing Group: None

Labels Required: None

Marking Required: Limited Quantity Mark

Placards Required: Limited Quantity and Marine Pollutant Mark On Transport Containers

ICAO/IATA

Proper shipping name: Aerosol, Flammable

Hazard Class: 2.1, LTD QTY

Identification Number: UN 1950

Packing Group: 2.1

Packing instruction Y203


Section 15 – Regulatory Information

SARA Section 355 (extremely hazardous substances); None

SARA Hazard Category (311/312): Fire Hazard, Pressure Hazard, Acute Health

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: Toluene, zinc powder

EPA TSCA, DSL Inventory: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65:  **WARNING:** This product can expose you to Toluene which is known to the State of California to cause developmental harm. For more information go to www.P65warnings.ca.gov

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.