



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

SILVER ZINC™ COLD GALVANIZING SPRAY

Aerosol

SAFETY DATA SHEET

Section 1- Product and Company Identification

Product Code: 17044

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 10, 2017

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):

Skin Corrosion/Irritation—Category 2
Serious Eye Damage/Irritation—Category 2A
Carcinogenicity—Category 2
Specific Target Organ Toxicity (single exposure)—Category 3
Specific Target Organ Toxicity (repeated exposure)-Category 2
Aspiration Toxicity-Category 1
Flammable aerosol—Category 1
Gas under pressure—Compressed Gas

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
 Suspected of causing cancer
 May cause drowsiness or dizziness
 May cause damage to organs (central nervous system, Eyes, Respiratory system and Skin) through prolonged or repeated exposure
 May be fatal if swallowed and enters airways

Precautionary Phrases: Prevention

Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/ eye protection/face protection
 Wash hands and face thoroughly after handling
 Do not breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well ventilated area
 Keep away from heat/sparks/open flames/ hot surfaces. No smoking
 Do not spray on an open flame or other ignition source
 Pressurized container. Do not pierce or burn, even after use.

Precautionary Phrases: Response:

IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF IN EYES: Remove contact lenses if present and easy to do, continue rinsing. Rinse continuously with water for several minutes
 If eye irritation persists: Get medical advice/attention
 IF SWALLOWED: Immediately call a POISON CENTER
 Do NOT induce vomiting. .
 IF exposed or concerned: Get medical advice/attention

Storage:

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

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

CHEMICAL	CAS NUMBER	PERCENT
ACETONE	67-64-1	40-50
PROPANE/ISOBUTANE/n-BUTANE	68476-86-8	20-30
ZINC POWDER	7440-66-6	10-20
XYLENE	1330-20-7	1-10
ETHYL BENZENE	100-41-4	1-10
ALIPHATIC PETROLEUM DISTILLATES	64742-89-8	1-10
0-AROMATIC MINERAL SPIRITS	8052-41-3	0.1-1

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: In 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. 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. Do not flush into sewers, drains or leading to waterways

Section 7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate ventilation. Contents under pressure. Do not puncture or incinerate container. Do not tamper with valve. Do not smoke while using. Keep container away from heat, flames, and all other sources of ignition. Store in a cool place

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. Store away from strong acids, alkalis or oxidizing agents

Section 8 – Exposure Controls / Personal Protection

CHEMICAL NAME	EXPOSURE LIMITS
ACETONE	250 ppm TWA ACGIH TLV 500 ppm STEL ACGIH TLV 1000 ppm TWA OSHA PEL
PROPANE/ISOBUTANE/n-BUTANE	1000ppm ACGIH TLV
ZINC POWDER	5mg/m3, OSHA PEL, as dust 10mg/m3, ACGIH TLV, as dust
XYLENE	100ppm, OSHA PEL 100ppm ACGIH TLV
ETHYL BENZENE	100ppm, OSHA TWA, 8 hrs. 100ppm ACGIH TWA, 8 hrs.
0%-AROMATIC MINERAL SPIRITS	100ppm TWA ACGIH 500 ppm TWA OSHA

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 with side shields or goggles recommended where needed to avoid eye contact.

Section 9 – Physical and Chemical Properties

Appearance: silver gray aerosol	Vapor Density (air = 1): heavier than air
Odor: solvent like until dry	Specific Gravity: 0.908
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: No data	Decomposition Temperature: Not available
Flash Point: -142°F/-97°C	Viscosity: Not available
Evaporation Rate: slower than ether	Explosion Properties: None

Flammable Limits: LEL: Not established UEL: Not established	Oxidizing Properties: Not oxidizing
Vapor Pressure: Not established	Aerosol Fire Protection Level: 2
VOC Content (%) 44.52	

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

Long term Toxicological studies have not been conducted for this product

Potential Health Effects:

Eye: May cause mild irritation. Vapors may irritate eyes

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

Inhalation: Vapors may irritate throat and respiratory system. May cause drowsiness or dizziness . Avoid breathing vapor and mist.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration into the lungs during swallowing may be harmful.

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.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone 67-64-1	5800 mg/kg (rat)		50100 mg/m ³ (rat, 8 hr)
Xylene 1330-20-7	3500 mg/kg (rat)	>4350 mg/kg (rabbit)	29.08 mg/L (rat, 4 hr)
Ethyl Benzene 100-41-4	3500 mg/kg (rat)	15400 mg/kg (rabbit)	17.2 mg/L (rat, 4 hr)
Aliphatic Petroleum Distillate 64742-89-8		3000mg/kg (rabbit)	

Reproductive Toxicity: The ingredients are not reproductive hazards.

Specific target organ systemic toxicity (single exposure): May cause drowsiness and dizziness. May cause respiratory irritation.

Specific target organ systemic toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Chronic Toxicity: Intentional misuse by deliberately concentrating or inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

Target Organ Effects: Central nervous system (CNS) Eyes, Respiratory system, skin

Aspiration Hazard: May be fatal if swallowed and enters airways.

Section 12 – Ecological Information
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Long term ecological studies have not been conducted for this product

Bioaccumulation:

Chemical Name	Log Pow
Acetone 67-64-1	-0.24
Propane/isobutane/n-butane 68476-86-8	<=2.8
Xylene 1330-20-7	2.77-3.15
Ethyl Benzene	3.118

Section 13 – Disposal Consideration
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Waste disposal: Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

Section 14- Transport Information
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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, LTD QTY

ID Number: UN1950

Hazard Class: 2.1

Marking Required: Limited Quantity Mark

Placards Required: Limited Quantity

ICAO/IATA

Proper shipping name: UN1950 Aerosol, Flammable, 2.1 LTD QTY

Hazard Class: 2.1

Identification Number: UN 1950

Section 15 – Regulatory Information
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Chemical name	TSCA	DSL/NDSL	EINECES/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Acetone	X	X	X	X	X	X	X	X
Propane/isobutane n-butane	X	X	X	NOT LISTED	X	X	X	X
Zinc powder	X	X	X	NOT LISTED	X	X	X	X

Xylene	X	X	X	X	X	X	X	X
Ethyl benzene	X	X	X	X	X	X	X	X
Aliphatic petroleum distillate	X	X	X	NOT LISTED	X	X	X	X
0% aromatic mineral spirits	X	X	X	NOT LISTED	X	X	X	X

CERCLA Hazardous Substances (Section 103)/RQ: all below RQ

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

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: Zinc powder (7440-66-6), Xylene (1330-20-7), Ethyl Benzene (100-41-4)

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

Clean Water Act: This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21)

Chemical	CWA- Reportable Quantity	CWA-Toxic pollutant	CWA-Priority Pollutant	CWA- Hazardous substance
Zinc powder		X	X	
Xylene	100 lb			X
Ethyl Benzene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under CERCLA (40 CFR 302)

Chemical	Hazardous Substance RQ	Extremely Hazardous Substances RQ's	RQ
Acetone	5000 lbs		5000 lb final RQ
Zinc Powder	1000 lb		1000 lb final RQ
Xylene	100 lb		100 lb final RQ
Ethyl Benzene	1000 lb		1000 lb final RQ



CALIFORNIA PROPOSITION 65: This product contains a chemical known to the State Of California to cause cancer, Ethyl Benzene (100-41-4). For more information go to [www. P65warnings.ca.gov](http://www.P65warnings.ca.gov)

NFPA- H-2, F4, I-0

HMIS – H-2, F 4 Physical -1 PP-B

Section 16 – Other Information:

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.