



**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. 17<sup>th</sup> 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:** May 19, 2015

## Section 2-Hazard Identification

### GHS Classification ( Hazcom 2012):

Flammable aerosol—Category 1

Gas under pressure—Liquefied Gas

Acute Toxicity-Dermal—Category 4

Skin Corrosion/Irritation—Category 3

Eye Damage/Irritation—Category 2B

Carcinogenicity—Category 2

### Label Elements:



**Signal word:** DANGER

### Hazard Phrases:

Extremely flammable aerosol

Contains gas under pressure, may explode if heated

Harmful in contact with skin

Causes mild skin irritation

Causes eye irritation

Suspected of causing cancer

**Precautionary Phrases: Prevention**

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.  
 Wash hands and face thoroughly after handling  
 Wear protective gloves/protective clothing/ eye protection/face protection  
 Use personal protective equipment as required  
 Wash contaminated clothing before reuse  
 Avoid breathing dust/fume/gas/mist/vapors/spray

**Precautionary Phrases: Response:**

IF ON SKIN: Wash with soap and water  
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. If exposed or concerned: Get medical advice/attention.  
 IF SWALLOWED: Do NOT induce vomiting.  
 If eye irritation persists: Get medical advice/attention.  
 If skin irritation occurs: Get medical advice/attention

**Storage:**

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

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| <b>Section 3- Composition/ Information on Ingredients</b> |
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| CHEMICAL                        | CAS NUMBER | PERCENT |
|---------------------------------|------------|---------|
| ZINC; ZINC DUST                 | 7440-66-6  | 40-60   |
| 2-BUTANONE, METHYL ETHYL KETONE | 78-93-3    | 15-30   |
| PROPANE                         | 74-98-6    | 10-15   |
| XYLENE, MIXED ISOMERS           | 1330-20-7  | 5-10    |
| HEXONE, METHYL ISOBUTYL KETONE  | 108-10-1   | 5-10    |
| ALKYD RESIN                     |            | 5-10    |
| PETROLEUM DISTILLATE            | 8052-41-3  | 1-4     |
| ETHYL BENZENE                   | 100-41-4   | 1-1.6   |
| n-BUTYL ACETATE                 | 123-86-4   | 1-1.5   |

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

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| <b>Section 4 – First Aid Measures</b> |
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**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 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  |
|---------------------------------|--|
| ZINC; ZINC DUST                 | 5mg/m <sup>3</sup> , OSHA PEL, as dust<br>10mg/m <sup>3</sup> , ACGIH TLV, as dust |
| 2-BUTANONE, METHYL ETHYL KETONE |  |
| PROPANE                         | 1000ppm ACGIH TLV  |
| XYLENE, MIXED ISOMERS           | 100ppm, OSHA PEL<br>100ppm ACGIH TLV   |
| HEXONE, METHYL ISOBUTYL KETONE  | 100ppm OSHA PEL  |

|                      |  |
|----------------------|--|
|                      | 20ppm, ACGIH TLV, TWA                                |
| ALKYD RESIN          | Not established                                      |
| PETROLEUM DISTILLATE | 400ppm, ACGIH TLV-TWA                                |
| ETHYL BENZENE        | 100ppm, OSHA TWA, 8 hrs.<br>100ppm ACGIH TWA, 8 hrs. |
| n-BUTYL ACETATE      |  |

**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.

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| <b>Section 9 – Physical and Chemical Properties</b> |
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| <b>Appearance:</b> silver gray aerosol   | <b>Vapor Density (air = 1):</b> heavier than air          |
| <b>Odor:</b> solvent like until dry  | <b>Specific Gravity:</b> 1.23                             |
| <b>Odor Threshold:</b> Not established   | <b>Water Solubility:</b> Not soluble                      |
| <b>pH:</b> Not available   | <b>Octanol/Water Partition Coefficient:</b> Not available |
| <b>Melting Point/Freezing Point:</b> No data   | <b>Autoignition Temperature:</b> Not available            |
| <b>Boiling Point:</b> No data  | <b>Decomposition Temperature:</b> Not available           |
| <b>Flash Point:</b> Not determined   | <b>Viscosity:</b> Not available                           |
| <b>Evaporation Rate:</b> slower than ether   | <b>Explosion Properties:</b> None                         |
| <b>Flammable Limits:</b><br><b>LEL:</b> Not established<br><b>UEL:</b> Not established | <b>Oxidizing Properties:</b> Not oxidizing                |
| <b>Vapor Pressure:</b> Not established   | <b>Aerosol Fire Protection Level:</b> 3                   |

## Section 10 – Stability and Reactivity

**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.

**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

Long term ecological studies have not been conducted for this product

**Ecotoxicity:** No Data

**Bioaccumulative Potential:** No Data

**Mobility in Soil:** No Data

**Other Adverse Effects:** No Data

## 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, FP -17 C, 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

**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA Hazardous Substances (Section 103)/RQ:**

**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: None

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

**CALIFORNIA PROPOSITION 65:** This product is not known to contain listed chemicals.

#### 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.