



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

H.M.I.S.	
H -	1
F -	3
R -	0
P.P.	A

# ZINC COLD GALVANIZING COMPOUND

STOCK # ('S): 17045

## MATERIAL SAFETY DATA SHEET

### Section 1- Chemical Product and Company Identification

**Manufacture:** Anti-Seize Technology  
2345 N. 17<sup>th</sup> Ave.  
Franklin Park, IL 60131

**Phone:** 847-455-2300

**Emergency Phone, 24 hr:** Infotrac @ 1-800-535-5053 or 352-323-3500

### Section 2-Composition/ Information on Ingredients

	CAS #	OSHA PEL,	TLV	SARA III,	PERCENT
ZINC	7440-66-6	5mg/m3	10mg/m3	YES	40 - 50
2-BUTANONE	78-93-3	200ppm	200 ppm	YES	10-20
XYLENE	1330-20-7	100ppm	100ppm	YES	5 - 15
METHYL ISOBUTYL KETONE	108-10-1	50ppm	50ppm	YES	1- 5
ETHYLBENZENE	100-41-4	100 ppm	100ppm	YES	1 - 1.5
PETROLEUM DISTILLATES	64742-89-8	400ppm	400ppm	NO	5 - 10
PROPANE / ISOBUTANE	74-98-6	1000ppm	1000ppm	NO	15- 25

### Section 3- Hazard Identification

**HAZARD DESCRIPTION:** IRRITANT, EXTREMELY FLAMMABLE

**PHYSICAL DANGERS:** EXTREMELY FLAMMABLE LIQUID AND VAPOR IN A PRESSURIZED CONTAINER. IRRITATING TO EYES AND RESPIRATORY TRACT. VAPORS MAY CAUSE DIZZINESS. KEEP OUT OF REACH OF CHILDREN.

**ROUTES OF ENTRY:**  X  SKIN  X  EYES  X  INHALATION  INGESTION

**HEALTH HAZARDS:** READ THE WARNING LABELS ON THE CAN FOR ADDITIONAL INFORMATION.

THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE HEALTH REACTION WHEN USED UNDER NORMAL CONDITIONS. THE SOLVENTS CONTAINED IN THIS PRODUCT HAVE BEEN KNOWN TO AFFECT THE CENTRAL NERVOUS SYSTEM IF THE CONCENTRATION IS HIGH ENOUGH. USE THIS PRODUCT WITH ADEQUATE VENTILATION, LOCAL EXHAUST OR RESPIRATOR TO MAINTAIN THE AIR QUALITY.

SYMPTOMS OF OVEREXPOSURE COULD INCLUDE DIZZINESS, HEADACHE, SKIN IRRITATION OR NARCOSIS. EXTREME OVEREXPOSURE COULD RESULT IN UNCONSCIOUSNESS AND POSSIBLE DEATH.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION FOR INHALATION. FOR SKIN, REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.

### Section 4 - First Aid Measures

**SKIN:** CONTACT MAY DRY THE SKIN. AVOID PROLONGED SKIN CONTACT. WASH WITH SOAP AND WATER, USING A NAIL BRUSH. PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS.

**EYES:** FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

**INGESTION:** NOT A LIKELY ROUTE OF EXPOSURE, DO NOT INDUCE VOMITING. USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

**INHALATION:** THE SOLVENTS AND/OR PROPELLANTS IN THIS PRODUCT MAY AFFECT THE RESPIRATORY TRACT OR CENTRAL NERVOUS SYSTEM. AVOID OVEREXPOSURE. DIZZINESS OR RESPIRATORY IRRITATION ARE SIGNS OF OVEREXPOSURE. SEEK FRESH AIR. OR FOLLOW OTHER STANDARD MEDICAL PRACTICES.

CHEMICAL (S) LISTED AS CARCINOGENS; ETHYLBENZENE  
NPT? NO I.A.R.C. ? NO; OSHA? : NO

### Section 5 – Fire Fighting Measures

**AEROSOL FLAMMABILITY:** - 40 F, EXTREMELY FLAMMABLE  
**FLAMMABLE LIMITS:** LEL: 0.9 UEL: 10.0  
**EXTINGUISHING MEDIA:** FOAM, CO<sub>2</sub>, DRY CHEMICAL  
**SPECIAL FIRE FIGHTING PROCEDURES:** CANS MAY RUPTURE, BURST OR EXPLODE IN A FIRE. USE EXTREME CAUTION. WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD UP. WEAR GOGGLES AND A SELF CONTAINED BREATHING APPARATUS.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** CANS MAY RUPTURE OR BURST, RELEASING THEIR CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

### Section 6 – Accidental Release Measures

**SPILL/ LEAKAGE PROCEDURES:** IF CAN WERE TO RUPTURE, AVOID BREATHING VAPORS. VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL.

### Section 7 – Handling and Storage

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN A COOL, WELL VENTILATED AREA. DO NOT STORE ABOVE 120 F.  
**NFPA:** 30 B, LEVEL 1 AEROSOL  
**OTHER PRECAUTIONS:** DO NOT TAMPER WITH VALVE. DO NOT PUNCTURE, DO NOT SPAY IN EYES OR INGEST, READ THE PRODUCT LABEL FOR ADDITIONAL INFORMATION. KEEP AWAY FROM CHILDREN.

### Section 8 – Exposure Controls / Personal Protection

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED BECAUSE THE PRODUCT IS USED IN LIMITED QUANTITIES. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE A LOCAL EXHAUST TO REMOVE VAPORS, AND MAINTAIN AIR QUALITY. IF TLV'S ARE ABOVE ACCEPTABLE LIMITS USE A SELF CONTAINED BREATHING APPARATUS.  
**PROTECTIVE GLOVES:** NORMALLY NOT REQUIRED  
**EYE PROTECTION:** SAFETY GLASSES WITH SIDE SPLASH SHIELDS ARE RECOMMENDED.  
**WORK/HYGIENIC PRACTICES:** USE GOOD STANDARD PRACTICES WHEN USING THIS MATERIAL. DO NOT EAT OR SMOKE WHILE USING, AND THOROUGHLY WASH WITH SOAP AND WATER, USING A NAIL BRUSH AFTER USING.  
**PRECAUTIONS TO BE TAKEN IN USE:** USE ONLY WITH ADEQUATE VENTILATION. AVOID CONTACT WITH SKIN AND EYES. THIS COATING MAY CONTAIN MATERIALS CLASSIFIED AS NUISANCE PARTICULATE, AS A DUST, WHICH MAY BE PRESENT AT HAZARDOUS LEVELS ONLY DURING SANDING OR ABRADING OF THE DRIED FILM.

**EXPOSURE LEVELS:** SEE SECTION 2 FOR EXPOSURE LEVELS.

### Section 9 – Physical and Chemical Properties

<b>BOILING POINT:</b> - 40 – 310 F	<b>SOLUBILITY IN WATER:</b> SLIGHT
<b>MELTING POINT:</b> DOES NOT APPLY	<b>REACTIVITY IN WATER:</b> NONE
<b>VAPOR DENSITY (AIR = 1):</b> HEAVIER THAN AIR	<b>SPECIFIC GRAVITY:</b> 1.19
<b>EVAPORATION RATE (BUTYL ACETATE = 1):</b> SLOWER THAN ETHER	<b>VOLATILE:</b> 88%
<b>APPEARANCE AND ODOR:</b> GRAY, SOLVENT ODOR, AEROSOL PRODUCT	<b>V.O.C. CONTENT:</b> 49.0%

### Section 10 – Stability and Reactivity

**STABILITY:** (X) STABLE ( ) UNSTABLE  
**CONDITIONS TO AVOID:** APPLICATION TO HOT SURFACES, STORAGE ABOVE 120F. AVOID EXPOSURE TO OPEN FLAMES.  
**INCOMPARABILITY, (MATERIALS TO AVOID):** STRONG OXIDIZING AGENTS.  
**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.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

### Section 11 – Toxicological Information

**CHRONIC HEALTH HAZARDS:** NO INGREDIENT IN THIS PRODUCT IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA. METHYL ISOBUTYL KETONE MAY INCREASE THE NERVOUS SYSTEM EFFECTS OF OTHER SOLVENTS. PROLONGED OVEREXPOSURE TO SOLVENTS LISTED IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, CARDIOVASCULAR AND REPRODUCTIVE SYSTEMS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN OR NERVOUS SYSTEM DAMAGE.

### Section 12 – Ecological Information

NO SPECIAL INFORMATION IS AVAILABLE FOR THIS COMPOUND

### 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. REFER TO OTHER SECTIONS OF THIS MSDS FORM FOR ADDITIONAL INFORMATION

**Section 14- Transport Information**

**SHIPMENT BY LAND:** CONSUMER COMMODITY, ORM-D

**SHIPMENT BY WATER:** AEROSOL, 2.1, UN 1950, LTD QTY

**SHIPMENT BY AIR:** AEROSOLS, FLAMMABLE, 2.1, UN 1950, LTD QT.

**Canadian WHMIS Classification:** NOT REGULATED

**Hazard Class:** FLAMMABLE, AEROSOL

**Section 15 – Regulatory Information**

**CALIFORNIA PROPOSITION 65:** YES

**OZONE DEPLETING SUBSTANCES:** NO

**SARA TITLE III:** ZINC DUST

**CERCLA:** YES

**UN NUMBER:** UN 1950

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, TOLUENE

**RCRA:** YES

**DOT SHIPPING CLASS:** ORM D 1950

**TASCA INVENTORY:** ALL INGREDIENTS LISTED

**N.F.P.A. RATING:** H-2, F-4, R-0

**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.

**DATE:** 1/20/2009

ZINC COLD GALVANIZING SPRAY, ISO 16 PART MSDS