



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

H.M.I.S.	
H -	1
F -	4
R -	0
P.P.	A

BRIGHT ZINC COLD GALVANIZING SPRAY

STOCK # ('S): 17044

MATERIAL SAFETY DATA SHEET

Section 1- Chemical Product and Company Identification

Manufacture: Anti-Seize Technology

2345 N. 17th 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#	PERCENT
ACETONE	67-64-1	30 - 40
PROPANE	74-98-6	15 - 20
TOLUENE	108-88-3	15 - 20
ZINC POWDER	7440-66-6	10 - 15
ALUMINUM	7429-90-5	1 - 5
BUTANE	106-97-8	10 - 15
MINERAL SPIRITS	64742-47-8	1 - 5

Section 3- Hazard Identification

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.

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, AS A TRACE COMPONENT OF TOLUENE

NPT: NO **I.A.R.C. GROUP 2B:** NO **OSHA?** : NO

Section 5 – Fire Fighting Measures

AEROSOL FLAMMABILITY: - 40 F, EXTREMELY FLAMMABLE

FLAMMABLE LIMITS: LEL: 1.7 UEL: 10.0

EXTINGUISHING MEDIA: FOAM, CO₂, 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. WEAR APPROPRIATE SAFETY EQUIPMENT. VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL. DO NOT FLUSH DOWN SEWERS.

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. DO NOT SMOKE WHILE USING THIS MATERIAL. DO NOT STORE IN SUB FREEZING CONDITIONS.

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:

74-98-6, PROPANE

OSHA, PEL: 1800mg/m3
ACGIH, TLV: 4508 mg/m3

106-97-8, BUTANE

OSHA, PEL: NOT ESTABLISHED
ACGIH, TLV: 1900mg/m3

64742-47-8, MINERAL SPIRITS

OSHA, PEL NOT DATA
ACGIH, TLV 200mg/m3

Section 9 – Physical and Chemical Properties

BOILING POINT: - 40 – 385 F (-40 – 196C)

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY (AIR = 1): 4.0

(BUTYL ACETATE = 1): < 1

APPEARANCE AND ODOR: AEROSOL SPRAY, GRAY, SOLVENT ODOR,

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 0.9 **EVAPORATION RATE**

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

PRIMARY EFFECT ON THE SKIN: NO IRRITANT EFFECT

PRIMARY EFFECT ON THE EYES: IRRITATING EFFECT

SENSITIZATION: NO SENSITIZING EFFECTS KNOWN

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

RCRA: YES
DOT SHIPPING CLASS: ORM D 1950
TASCA INVENTORY: ALL INGREDIENTS LISTED
N.F.P.A. RATING: H-2, F-4, R-0
WHMIS: CLASS A, B5 FLAMMABLE AEROSOL

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

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

BRIGHT ZINC COLD GALVANIZE, ISO 16 PART MSDS