



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

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# AST™ CONTACT CLEANER

AEROSOL--STOCK # ('S): 17035

## MATERIAL SAFETY DATA SHEET

### SECTION I - PRODUCT IDENTIFICATION

**MANUFACTURE:** ANTI-SEIZE TECHNOLOGY  
2345 N. 17th. Ave.  
FRANKLIN PARK, IL. 60131

**TELEPHONE #:** 847-455-2300

**24 Hr. EMERGENCY #:** INFOTRAC@ 1-800-535-50535-2300

### SECTION II - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
DICHLOROFLUOROETHANE	1717-00-6	NOT ESTABLISHED		YES	NO	70 - 95
ISOPROPANOL	67-63-0	400ppm	400ppm	NO	NO	3 - 8
CARBON DIOXIDE	124-38-9	1000ppm	1000ppm	NO	NO	3 - 8

### SECTION III - PHYSICAL PROPERTIES

**BOILING POINT:** 90 TO 180 F

**MELTING POINT:** DOES NOT APPLY

**VAPOR DENSITY (AIR = 1):** 4.0

**EVAPORATION RATE (BUTYL ACETATE = 1):** 6.0

**APPEARANCE AND ODOR:** CLEAR SPRAY, ETHERIAL ODOR

**SOLUBILITY IN WATER:** NIL

**REACTIVITY IN WATER:** NO

**SPECIFIC GRAVITY:** 1.2

**PERCENT VOLATILE:** 100

### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT, METHOD:** NONE, TCC

**AEROSOL FLAMMABILITY:** NON FLAMMABLE

**FLAMMABLE LIMITS: LEL:** N/D **UEL:** N/D

**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 V- PHYSICAL HAZARDS

**STABILITY:** (X) STABLE ( ) UNSTABLE

**CONDITIONS TO AVOID:** APPLICATION TO HOT SURFACES, STORAGE ABOVE 120F. EXPOSURE TO OPEN FLAMES.

**INCOMPARABILITY ,(MATERIALS TO AVOID):** STRONG OXIDIZING AGENTS, CAUSTICS, NITRIC AND SULFURIC ACID, ALDEHYDES, HALOGENS AND ACTIVE METALS.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CAN DECOMPOSE TO HALOGEN ACIDS, HYDROCHLORIC ACID AND POSSIBLY PHOSGENE. 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 VI - HEALTH HAZARDS AND FIRST AID

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

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

THE SOLVENT CONTAINED IN THIS PRODUCTS HAVE BEEN SHOWN TO EFFECT THE CENTRAL NERVOUS SYSTEM IN HIGH CONCENTRATIONS. COULD CAUSE NARCOSIS IN HIGH VAPOR CONCENTRATIONS. EFFECTS ARE REVERSIBLE. CHRONIC EXPOSURE, (YEARS) TO HIGH VAPOR CONCENTRATIONS COULD CAUSE LUNG, LIVER OR KIDNEY DAMAGE. PROLONGED AND REPEATED SKIN CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN. VAPORS IN HIGH CONCENTRATIONS CAN IRRITATE EYES OR NOSE. MAY CAUSE CARDIAC ABNORMALITIES.

## EMERGENCY FIRST AID PROCEDURES

**SKIN:** 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. DO NOT ADMINISTER ADRENALINE FOLLOWING EXPOSURE.

**INHALATION:** THE SOLVENTS AND/OR PROPELLANTS IN THIS PRODUCT MAY EFFECT 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

NPT ? : NO I.A.R.C. ? : NO OSHA ? : NO

## SECTION VII - SPECIAL PRECAUTIONS AND SPILL PROCEDURES

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN A COOL ,WELL VENTILATED AREA. DO NOT STORE ABOVE 120 F. .

**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.

**SPILL/ LEAKAGE PROCEDURES:** AVOID BREATHING VAPORS. VENTILATE AREA CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL..

**WASTE DISPOSAL:** DISPOSE OF IN A RESPONSIBLE MANNER. DISPOSE OF AS HAZARDOUS WASTE IN ACCORDANCE WITH EPA's RCRA ACT. 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 VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED. 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 , SOLVENT RESISTANT IF REPEATED SKIN CONTACT IS EXPECTED.

**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.

## SECTION IX - REGULATORY INFORMATION

**CALIFORNIA PROPOSITION 65:** NO

**RCRA:** NO

**OZONE DEPLETING SUBSTANCES:** DICHLOROFLUOROETHANE

**TASCA INVENTORY :** ALL INGREDIENTS LISTED

**SARA TITLE III :** YES

**CERCLA:** NO

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

**DOT SHIPPING CLASS:** ORM D, UN 1950

## SECTION X - DISCLAIMER

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 THIS PRODUCT. THEREFORE, BECAUSE THE PRODUCT MAY BE USED UNDER CONDITIONS BEYOND OUR CONTROL, WE ASSUME NO LIABILITY FOR IT'S USE.

**DATE PREPARED:** 8/27/04

**AST Contact Cleaner**