



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

H.M.I.S.

H - 2

F - 4

R - 0

P.P. A

PTFE SPRAY HEAVY - COAT

(ANTI- SEIZE LUBRICANT & SEALANT)

STOCK # ('S): 17080

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 HOUR EMERGENCY #: INFOTRAC, 1-800-535-5053

SECTION II - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
V.M.P. NAPHTHA	64742-89-8	300ppm	300ppm	NO	NO	1 - 10
TOLUENE	108-88-3	50ppm	100ppm	NO	YES	<1
PROPANE / ISOBUTANE	74-98-6	1000ppm	1000ppm	NO	NO	5-8
HEPTANE	142-82-5	400ppm	500ppm	NO	NO	45 - 55
TALC	14807-96-6	2mg/m3	2mg/m3	NO	NO	5 - 15
ACRYLIC COPOLYMER	NONE	NOT ESTABLISHED		NO	NO	1-10
POLYTETRAFLUOROETHANE	9002-84-0	NOT ESTABLISHED		NO	NO	10 - 20

SECTION III - PHYSICAL PROPERTIES

BOILING POINT: -40 TO 390 F.

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY (AIR = 1): 4

EVAPORATION RATE (BUTYL ACETATE = 1): < 1

APPEARANCE AND ODOR: WHITE SPRAY, SOLVENT ODOR

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 0.7

PERCENT VOLATILE: ~ 85 (VOC)

SECTION IV - FIRE AND EXPLOSION DATA

AEROSOL FLAMMABILITY: FLAMMABLE

FLAMMABLE LIMITS: LEL: 0.9 UEL: 9.5

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.

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 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.

THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE HEALTH REACTION WHEN USED UNDER NORMAL CONDITIONS.. USE ADEQUATE VENTILATION TO MAINTAIN THE AIR QUALITY OR USE A LOCAL EXHAUST OR ORGANIC VAPOR RESPIRATOR. DO NOT DELIBERATELY CONCENTRATE THE SOLVENTS . THE SOLVENTS CONTAINED IN THIS PRODUCT CAN EFFECT THE CENTRAL NERVOUS SYSTEM UNDER EXTREME CONDITIONS. YOU SHOULD NOT SMOKE WHILE USING THIS PRODUCT. TOBACCO PRODUCTS, CONTAMINATED WITH PTFE, HAVE BEEN KNOWN TO PRODUCE SYMPTOMS REFERRED TO AS " POLYMER FUME FEVER".

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.
INHALATION: THE SOLVENTS AND/OR PROPELLANTS IN THIS PRODUCT MAY EFFECT THE RESPIRATORY TRACT, CARDIOVASCULAR SYSTEM 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: TOLUENE, TRACE AMOUNT, CONTAINED AS A BYPRODUCT IN VMP NAPHTHA
NPT ? : NO I.A.R.C. ? : YES 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 AND REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL..
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 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
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:TOLUENE < 1%	RCRA: NO
OZONE DEPLETING SUBSTANCES: NONE	DOT SHIPPING CLASS: ORM-D
SARA TITLE III : NO	TASCA: INGREDIENTS ARE LISTED
NFPA 30 B LEVEL: 1	

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: 6/7/02

PTFE Spray Heavy