



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

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

TFE™

PIPE THREAD SEALER WITH PTFE

STOCK # ('S):14002,14003,
14003A,14005,14008,14012,14012A,14018,14025,14026,14030,14050,14055

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 #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
PETROLEUM OIL, AS MIST OR FUME	8042-47-5	5mg/m3	5mg/m3	NO	NO	20 -30
TITANIUM DIOXIDE	13463-67-7	15mg/m3	10mg/m3	NO	NO	1 - 5
CALCIUM CARBONATE	471-34-1	10mg/m3	10mg/m3	NO	NO	10 -40
PTFE	9002-84-0	15mg/m3	15mg/m3	NO	NO	10 -30

Section 3- Hazard Identification

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

HEALTH HAZARDS: THIS PRODUCT IS CONSIDERED VERY MILDLY IRRITATING TO THE SKIN. SYMPTOMS COULD INCLUDE SKIN REDNESS OR IRRITATION IF PROLONGED SKIN CONTACT OCCURS.

THIS PRODUCT CONTAINS "PTFE", WHICH HAS BEEN KNOWN TO PRODUCE A CONDITION KNOWN AS POLYMER FUME FEVER IF GOTTEN ONTO TOBACCO PRODUCTS WHILE SMOKING. DO NOT SMOKE WHILE USING THIS MATERIAL.

Section 4 – First Aid Measures

SKIN: WASH WITH SOAP AND WATER, USING A NAIL BRUSH. PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS.

EYES: THIS PRODUCT COULD CAUSE SOME MECHANICAL IRRITATION IF GOTTEN INTO THE EYES AND RUBBED. FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

INGESTION: IF INGESTED THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE REACTION, AND IS RELATIVELY NON-TOXIC. THIS PRODUCT CONTAINS PETROLEUM OIL; **DO NOT INDUCE VOMITING**, BECAUSE THE OIL MAY BE ASPIRATED INTO THE LUNGS. USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

INHALATION: NOT LIKELY UNDER NORMAL CONDITIONS OF USE. IF USING IN HIGH TEMPERATURE APPLICATIONS WHERE THERMAL DECOMPOSITION IS LIKELY, USE A LOCAL EXHAUST TO REMOVE FUMES. IF DIZZINESS OR IRRITATION OCCURS, SEEK FRESH AIR.

CHEMICAL ('S) LISTED AS CARCINOGENS

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

Section 5 – Fire Fighting Measures

FLASH POINT AND METHOD USED: GREATER THAN 350 F, C.O.C.

FLAMMABLE LIMITS: LEL NO DATA UEL: NO DATA

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: THIS COMPOUND WILL NOT BURN UNLESS IT IS PRE-HEATED. WATER FOG MAY BE USED TO COOL THE CONTAINERS BUT DO NOT SPRAY DIRECTLY INTO LARGE CONTAINERS OF BURNING LIQUIDS AS FROTHING MAY OCCUR. WEAR A "N.I.O.S.H." APPROVED ORGANIC VAPOR RESPIRATOR.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DENSE SMOKE AND NOXIOUS OR TOXIC FUMES MAY BE GENERATED IN A FIRE. FIRE FIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS.

Section 6 – Accidental Release Measures

SPILL/ LEAKAGE PROCEDURES: BECAUSE OF THE VISCOUS NATURE OF THIS PRODUCTS LEAKS ARE NOT EXPECTED. IF SPILLED SCOOP BACK INTO ORIGINAL CONTAINER.

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM STRONG OXIDIZING CHEMICALS AND ACIDS.
OTHER PRECAUTIONS: DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN.

Section 8 – Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED.
PROTECTIVE GLOVES: NORMALLY NOT REQUIRED. IF PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED OR IF OPEN WOUNDS ARE PRESENT USE A LATEX GLOVE
EYE PROTECTION: SAFETY GLASSES 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 9 – Physical and Chemical Properties

BOILING POINT: > 650F
MELTING POINT: DOES NOT APPLY
VAPOR PRESSURE: > 0.0001mmHg@20C
EVAPORATION RATE: 0
V.O.C. CONTENT: 23g/L
APPEARANCE AND ODOR: OFF WHITE GRANULAR PASTE WITH A PETROLEUM LIKE ODOR

SOLUBILITY IN WATER: NIL
REACTIVITY IN WATER: NONE
SPECIFIC GRAVITY: 1.5
PERCENT VOLATILE: 0

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE
CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS AND TEMPERATURES EXCEEDING 550 F
INCOMPATIBILITY: STRONG ACIDS SUCH AS HYDROCHLORIC, SULFURIC, NITRIC, CHLORINE. ETC.
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

SEE SECTION 2 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

Section 12 – Ecological Information

NO ADDITIONAL INFORMATION IS AVAILABLE. THIS PRODUCT IS NOT EXPECTED TO BIOACCUMULATE.

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

TRANSPORTATION BY LAND (49CFR); NOT REGULATED
TRANSPORTATION BY AIR (ICAO/IATA): NOT REGULATED
TRANSPORTATION BY SHIP (IMO/IMDG): NOT REGULATED
WHMIS: NOT REGULATED.

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: NO
OZONE DEPLETING SUBSTANCES: NONE
SARA TITLE III: NO
CERCLA: NO

RCRA: NO
DOT SHIPPING CLASS: NOT HAZARDOUS
TASCA INVENTORY: ALL INGREDIENTS LISTED
N.F.P.A. RATING: H-2, F-2, 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: 12/15/2008

TFE, 16 PART MSDS