



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

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

TFE<sup>TM</sup>  
**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. 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	PROP 65,	PERCENT
PETROLEUM OIL, AS MIST OR FUME	64742-53-6	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 (a.k.a. Teflon)	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:** 04/20/2012

**TFE, 16 PART MSDS**