



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

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# **POLY-TEMP<sup>®</sup> HD**

## **HEAVY DUTY PTFE THREAD SEAL TAPE**

**STOCK#: 46125,46135, 46150**

# **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	PERCENT
POLYTETRAFLUROETHYLENE (99.9% virgin material)	9002-84-0	NOT ESTABLISHED		100

### Section 3- Hazard Identification

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

**HEALTH HAZARDS:** "PTFE (a.k.a. TEFLON) IS RELATIVELY NON-TOXIC. THE PRIMARY HEALTH HAZARD ASSOCIATED WITH "PTFE" IS EXTREMELY HIGH TEMPERATURE THERMAL DECOMPOSITION BY PRODUCTS. **DO NOT USE THIS PRODUCT IN APPLICATIONS WHERE THE TEMPERATURE IS EXPECTED TO EXCEED 550F** AT TEMPERATURES EXCEEDING 572 F., PARTICULATE MATTER CAN FORM WHICH COULD RESULT IN A CONDITION KNOWN AS "POLYMER FUME FEVER", A TEMPORARY FLU-LIKE CONDITION WITH CHILLS, FEVER, NAUSEA MUSCLE OR JOINT ACHE AND SOMETIMES COUGH. THIS CAN OCCUR IF TOBACCO PRODUCTS ARE CONTAMINATED WITH PTFE PARTICLES WHICH IS UNLIKELY WITH THIS PRODUCT. OTHER TOXIC AND CORROSIVE FUMES MAY BE EVOLVED.

### Section 4 – First Aid Measures

**SKIN:** WASH WITH SOAP AND WATER,

**EYES:** UNLIKELY

**INGESTION:** IF INGESTED THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE REACTION. 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:** DOES NOT APPLY. DOES NOT BURN

**FLAMMABLE LIMITS:** LEL: NO DATA UEL: NO DATA

**EXTINGUISHING MEDIA:** FOAM, CO2, DRY CHEMICAL

**SPECIAL FIRE FIGHTING PROCEDURES:** MAY EMIT TOXIC FUMES IN A FIRE

**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

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** SUPPLIED AS A SOLID TAPE LIKE MATERIAL. DOES NOT APPLY

### Section 7 – Handling and Storage

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** NONE REASONABLY FORESEEN.

**OTHER PRECAUTIONS:** KEEP AWAY FROM CHILDREN.

**SPILL/ LEAKAGE PROCEDURES:** DOES NOT APPLY

### Section 8 – Exposure Controls / Personal Protection

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED. IF THIS PRODUCT IS BEING USED IN HIGH TEMPERATURE APPLICATIONS WHERE THE PRODUCT "SMOKES", USE A LOCAL EXHAUST OR VENTILATE THE AREA TO MAINTAIN THE AIR QUALITY. A "N.I.O.S.H." APPROVED ORGANIC VAPOR RESPIRATOR IS ALSO ACCEPTABLE.  
**PROTECTIVE GLOVES:** NOT REQUIRED.  
**EYE PROTECTION:** NOT REQUIRED.  
**WORK/HYGIENIC PRACTICES:** USE GOOD STANDARD PRACTICES WHEN USING THIS MATERIAL. DO NOT SMOKE WHILE USING.

### Section 9 – Physical and Chemical Properties

**BOILING POINT:** DOES NOT APPLY  
**MELTING POINT:** OVER 500 F  
**VAPOR PRESSURE:** 0  
tape  
**EVAPORATION RATE:** 0  
**APPEARANCE AND ODOR:** WHITE PLASTIC LIKE TAPE, NO ODOR

**SOLUBILITY IN WATER:** NONE  
**REACTIVITY IN WATER:** NONE  
**SPECIFIC GRAVITY:** 0.35 – 1.5 depending on grade of  
**PERCENT VOLATILE:** 0

### Section 10 – Stability and Reactivity

**STABILITY:** (X) STABLE ( ) UNSTABLE  
**CONDITIONS TO AVOID:** TEMPERATURE OVER 500F  
**INCOMPATIBILITY, (MATERIALS TO AVOID):** FLOURINE AND RELATED COMPOUNDS, CHLORINE TRIFLUORIDE, ALKALI METALS, INTERHALOGEN COMPOUNDS.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** IF THE SERVICE TEMPERATURES EXCEEDS 750 F. THEN "PTFE" WILL BEGIN TO UNDERGO THERMAL DECOMPOSITION. AT THESE TEMPERATURES "PTFE" CAN EMIT ACUTELY TOXIC VAPORS. THESE VAPORS CAN INCLUDE HEXAFLUOROPROPYLENE, PERFLUOROISOBUTYLENE AND CARBONYL FLUORIDE.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

### Section 11 – Toxicological Information

**LD50:** NOT DATA  
**LC50:** NOT DATA  
PTFE (a.k.a. "TEFLON") IS NOT CONSIDERED TOXIC

### Section 12 – Ecological Information

NOT EXPECTED TO POSE ANY HAZARDS

### Section 13 – Disposal Consideration

**WASTE DISPOSAL:** DISPOSE OF IN A RESPONSIBLE MANNER. FOLLOW LOCAL, STATE AND FEDERAL GUIDELINES. .  
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  
**TRANSPORATION BY AIR (ICAO/IATA):** NOT REGULATED  
**TRANSPORATION BY SHIP (IMO/IMDG):** 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  
**NFPA RATING:** H-2, F-1, 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:** 01/15/2009

POLY TEMP HD TAPE, 16 PART ISO MSDS