

Common Name: POLY-TEMP MD
Manufacturer: ANTI-SEIZE TECHNOLOGY
MSDS Revision Date: 1/15/2009

Grainger Item Number(s): 3PDK9, 3PDL1, 3PDL2, 3PDL3, 3PDL4, 3PDL5, 3PDL6
Manufacturer Model Number(s):

A ANTI-SEIZE TECHNOLOGY

A.S.T. INDUSTRIES, INC.

H.M.I.S.:

H 1
F 0
R 0
P.P. A

POLY-TEMP (R*) MD

STOCK#:

16005, 16005A, 16025, 16030, 16030A, 16035, 16035A, 16040, 16045, 16050,
16050A, 16055, 16060, 16065

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

INGREDIENTS	CAS #	OSHA PEL, TLV	PERCENT
POLYTETRAFLUROETHANE (99.9% VIRGIN MATERIAL)	9002-84-0	NOT ESTABLISHED	100

SECTION 3 - HAZARD IDENTIFICATION

ROUTES OF ENTRY:

- () SKIN
- () EYES
- (X) 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., PARTICULAR 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

EVAPORATION RATE: 0

SOLUBILITY IN WATER: NONE

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 0.35 - 1.5 DEPENDING ON GRADE OF TAPE

PERCENT VOLATILE: 0

APPEARANCE AND ODOR: WHITE PLASTIC LIKE TAPE, NO ODOR

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

TRANSPORTATION BY AIR (ICAO/IATA): NOT REGULATED

TRANSPORTATION 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 MD, 16 PART ISO MSDS