POLY-TEMP® MD

PTFE THREAD SEAL TAPE

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: POLY-TEMP® MD PTFE Thread Seal Tape

Manufacturer/ Supplier: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131
Phone: 847-455-2300
Toll Free: 800 991-1106
Web: antiseize.com

Emergency Phone Number: Infotrac 24/7 Phone: 1-800-535-5053 or 352-323-3500
Product Use: Pipe thread sealant and other uses.
Restriction on Use: None known

SDS Date of Preparation: August 1, 2023

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification (Hazcom 2012):
Not Hazardous
Label Elements:
Not hazardous in accordance with the OSHA Hazard Communication Standard (29CFR 1910.1200).

Hazard Phrases:
None

Precautionary Phrases:
None

Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
PTFE	9002-84-0	99.5%

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Eye: Flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin: Wash thoroughly with plenty of water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention.

Ingestion: If large amounts ingested, seek medical attention.

Most Important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention generally not required.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical.

Special Hazards Arising from the Chemical: This product is difficult to ignite and flames goes out when ignition source is removed. In a fire situation Hazardous thermal decomposition products can include acid fluorides, fluorinated compounds, hydrogen fluoride and Carbon Monoxide.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. Use caution: slip hazard.

Environmental Hazards: Report spills and releases as required to appropriate authorities.

Methods and Material for Containment and Cleaning Up: Because of its viscous nature, this product is not expected to leak or spill.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged skin contact Do not transfer to unlabeled containers.

Conditions for Safe Storage, Including any Incompatibilities: Store away from extreme heat and open flames. Store away from oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
PTFE	10mg/m3 ACGIH TWA (respirable particles) 5mg/m3 OSHA TWA (respirable particles) This is not a likely route of exposure as this product cannot become airborne under normal conditions of use.

PTFE is a relatively inert product as long as it is used at temperatures not exceeding 550°F. Do not exceed these temperature limits.

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. If the product is used at high temperatures, local exhaust ventilation may be required.

Individual Protection Measures:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with organic vapor/particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: Impervious gloves such as rubber or nitrile recommended where needed to avoid prolonged skin contact .

Eye Protection: Safety glasses or goggles recommended where needed to avoid eye contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White tape like product	**Vapor Density (air = 1):** Not available
Odor: no odor	**Specific Gravity:** 0.7-0.8g/cc
Odor Threshold: no odor	**Water Solubility:** Not soluble
pH: not applicable	**Octanol/Water Partition Coefficient:** Not available
Melting Point/Freezing Point: 621-648°F	**Autoignition Temperature:** 986-1,040°F (520-560°C)

Boiling Point: not determined	**Decomposition Temperature:** Not available. Do not exceed 550°F
Flash Point: not applicable	**Viscosity:** Not available
Evaporation Rate: Not applicable	**Explosion Properties:** None
Flammable Limits: **LEL**: Not established **UEL:** Not established	**Oxidizing Properties:** Not oxidizing
Vapor Pressure: Not established	**Aerosol Fire Protection Level:** Not applicable
VOC Content: 0%	**Flammability (solid, gas):** Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Temperatures exceeding 550°F

Incompatible Materials: Fluorinated acids, Fluorine (F2) and related compounds. Finely divided aluminum powdered metals.

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 which can include acid fluorides, fluorinated compounds, hydrogen fluoride, Carbonyl fluoride and Carbon Monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: Not a likely source of exposure

Skin: Not a likely source of exposure.

Inhalation: Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation and metal fume fever with symptoms of fever and chills.

Ingestion: Not a likely source of exposure.

Chronic Hazards: Prolonged inhalation of thermal decomposition products may result in lung damage. Contaminating tobacco products can result in Polymer Fume Fever with flu like symptoms in humans.

Carcinogen Status: None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

Acute Toxicity Values: None under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic Toxicity: The substance is a polymer and is not expected to produce toxic effects.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: Not regulated
DOT Technical Name: None
DOT Hazard Class: None
UN Number: None
DOT Labels Required (49CFR172.101): None

IMDG Shipping Description: Not regulated
ID Number: None
Hazard Class: None
Packing Group: None
Labels Required: None
Marking Required: None
Placards Required: None

ICAO/IATA
Shipping Description: Not regulated
ID Number: None
Hazard Class: None
Packing Group: None

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to reporting requirements under CERCLA. However, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not Hazardous

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

WHMIS: All ingredients are listed

CALIFORNIA PROPOSITION 65: This product is not known to contain listed chemicals.

SECTION 16: OTHER INFORMATION

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.