

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

HAZARD COMMUNICATION SAFETY DATA SHEET**PRODUCT: PTFE Thread Seal Tape**

Revision Date 6/1/15

Section 1: Chemical Product and Company Identification**Manufacturer**

Ratermann Manufacturing, Inc.
601 Pinnacle Place
Livermore, CA 94550

Telephone Number: 800-264-7793**Product Identifier:** Thread Tape PTFE Tape**Product Description:** PTFE Tape**Product Use:** For use on threaded joints of pipe (not exceeding 4" pipe size) in assemblies handling gasoline, petroleum oils, propane, butane, naphtha, benzene Natural gas and LP-gas in vapor state (temperatures of -65F to 700F, pressure not over 300 psi). A minimum of three full wraps is required for pipe up to 1"**Section 2: Hazard Identification**

HMIS HAZARD IDENTIFICATION

Health 1 Flammability 1 Reactivity 0

EMERGENCY OVERVIEW:**Physical Hazards:** May become slippery under foot**Acute Health Effects:** No known toxicity below 500F**Chronic Health Effects:** No chronic health effects are expected**Section 3: Information on Ingredients****Contains:** Polytetrafluoroethylene CAS # 9002-84-0
Polytetrafluoroethylene can emit toxic vapors at temperatures exceeding 700F, See Section 5 for additional information
Contains 99.5% pure Virgin PTFE**Section 4: First Aid Measures****INHALATION:** Not expected to become a significant inhalation hazard under normal conditions of use.**INGESTION:** If ingested this product is not expected to cause an acute reactions. Give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.**EYES:** Not expected to come in contact with eyes. In the unlikely event of eye exposure no effects are expected other than normal irritation produced by foreign body in eye. Flush with water. Lasting irritation see a physician.**SKIN:** Skin contact may in isolated cases cause allergic reaction common with most other materials. Wash well soap and water. If irritation persists see physician.

Safety Data Sheet Continued

Section 5: Fire Fighting Measures

Extinguishing Media:	Foam (Aqueous Film Forming Foam), dry chemical, carbon dioxide.
Special Precautions:	This compound will not burn unless its pre-heated. Water fog may be used to cool the containers, however frothing may occur if water is sprayed directly into burning containers. Do not enter fire area without proper protection.
Hazardous Combustion Products:	The thermal decomposition products are highly dependant upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating. Polytetrafluoroethylene can emit toxic fumes when heated to temperatures exceeding 700F. The max operating temperature for this compound is around 500F. At these temps PTFE does not undergo any thermal degradation and is not hazardous.
Flash Point:	Not established
Lower Flammable Limit:	Not established
Upper Flammable Limit:	Not established
Autoignition Temperature:	Not established

Section 6: Accidental Release Measures

Spills cannot occur. Dispose of any excess material in safe manner. Incineration is to be avoided

Section 7: Handling and Storage

Handling:	Avoid contact with the skin and eyes. Use good industrial hygiene practices. Keep containers closed. Wash hands after using product and before eating, drinking, smoking, or using toilet facilities. For operation at ambient temps of -65F to 700F and pressure up to 300 psi.
Storage:	Store in a dry place away from moisture, excessive heat and sources of ignition at ambient air temperatures of -65F to 700F and pressure up to 300 psi. Avoid storage near food to prevent food contamination.

Section 8: Exposure Controls/Personal Protection

Ventilation Requirements:	In confined areas local and general ventilation should be provided. Ventilation systems must be designated according to approved engineering standards.
Personal Protection:	
Eye:	Wearing of protective glasses is recommended when handling any chemicals.
Gloves:	Only in rare case where allergies are apparent are gloves necessary.
Respiratory	Provide adequate ventilation in workplace.
Other:	Eating and smoking should be prohibited in areas where product is handled. Nothing replaces good personal hygiene. Coveralls or other full body clothing shall be worn and properly laundered after use. Workers should wash hands, face, neck and arms before eating, drinking or smoking.

Safety Data Sheet Continued

Section 9: Physical and Chemical Properties

Physical State:	Tape
Odor and Appearance:	Odorless
Lowest Boiling point:	Does not apply
Vapor Pressure:	Not established
Vapor Density	Not established
Water Solubility:	Insoluble
% Organic Volatiles:	0.0% w/w
pH:	N.A.

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions.
Reactivity:	Unknown

Section 11: Toxicological Information

Exposure limites:	The limits reported in Section 2 of this document refer to other physical forms of the ingredients present in this product. Limits for the formulated product have not been determined.
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None of the components of this product have been reported as carcinogenic by NTP, OSHA or IARC.

Section 12: Ecological Information

General:	No special procedures
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Section 13: Disposal Information

Waste materials must be disposed of in accordance with your municipal, state, provincial and federal regulations. Contact the proper authorities for specific instructions. Avoid incineration.

Section 14: Transport Information

DOT Hazard Class:	Not regulated
Proper Shipping Name:	Not regulated
Identification Number:	Not regulated

Section 15: Regulatory Information

Listed below are chemical substances subject to supplier notification requirements. The percentages when presented represent average values.

CAS Number	SARA	WHMIS	CA-65
		313	

None

CA-65 - Chemical Substance identified under the California Proposition 65 column are known to the State of California to Cause and/or reproductive toxicity.

TSCA Status:

All ingredients of product comply with the requirements of the US EPA Toxic Substance Control Act.

Safety Data Sheet Continued

Section 16: Other**Prepared by Management**

The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Ratermann Manufacturing, Inc. makes no warranty, either expressed or implied, including merchantability and fitness.

User Responsibility: Each user should read and understand this information and incorporate it into individual site safety programs in accordance with applicable hazard communication standards and regulations.

