

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
MATERIAL SAFETY DATA SHEET
REQUIRED UNDER USDL SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING, SHIPBUILDING, AND SHIPBREAKING (29 CFR 1915, 1916, 1917)

Identity (As used on label and list): **Colored PTFE Thread Seal Tape**

Section I

Manufacturer's Name: Ratermann Manufacturing,	Emergency Telephone Number 800-537-7139
Address : 601 Pinnacle Place Livermore, CA 94550	Telephone Number for Information 925-606-2949
	Date Prepared: 4/26/2005
	Signature of Preparer (Optional)

Section II- Hazardous Ingredients/ Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s)) OSHA PEL ACGIH TLV
Other Limits

Chemical Name	%	CAS No.
Polytetrafluoroethylene	98	900-2-84-0
Various Inorganic Pigments	2	

PTFE Tape, as such is not a hazardous material. It is processed solid polymer, temperature range -450F to +500F

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Section III- Physical / Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H₂O=1)	2.1 to 2.2
Vapor Pressure (mm Hg)	N/A	Melting Point	341C (642F)
Vapor Density (Air=1)	N/A	Reactivity in Water	None
Solubility in Water	Insolube	Appearance and Odor	White or colored

Section IV- Fire and Explosion Hazard Data

Flash Point (Method Used): N/A	Flammable Limits: N/A	LEL	UEL
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Extinguishing Media: N/A Use media suitability for surrounding fire

Special Fire Fighting Procedures:

Self contained breathing apparatus with full facepiece & protective clothing if involved with other materials

Unusual Fire and Explosion Hazards: Product will emit toxic fumes at high temperatures

Above 800F: Tetrafluoroethylene; Above 825F: Hexafluoroethylene; Above 885F: Perfluoroisbutylene; Above 930F: Carbonyl Fluoride

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	Heating above 750F for prolonged periods of time
Incompatibility (Materials to Avoid): Molten Alkali Metals: Interhalogen Compounds		
Hazardous Decomposition of By-Products :See section 4		
Hazardous	May Occur	Conditions to Avoid: N/A
Polymerization	Will Not Occu	

Section VI - Health Hazard Data

Route(s) of Entry:

Inhalation: No toxic effect from dust

Eyes: Mechanical irritation

Skin: Non-irritating and Non-absorbing

Ingestion: PTFE has shown to be inert when ingested by rats

Acute: Flu like transient sickness

Chronic: Could be fatal

Signs and symptoms of Exposure: Flu like fever

Medical conditions generally aggravated by exposure: Respiratory inflammation

Emergency and first aid procedures: Move to fresh air, refer to physician

Section VII- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Sweep up to prevent slippage on tape

Waste Disposal Method

Confirming to all application regulations

Precautions to Be Taken in Handling and Storing

No unusual precautions

Other Precautions

None

Section VIII- Control Measures

Respiratory Protection (Specify Type): Not Needed

Ventilation	Local Exhaust: not needed	Special: N/A
	Mechanical (General): not needed	Other: not needed

Protective Gloves: Not needed

Eye Protection: not needed

Other Protective Clothing or Equipment: Not needed

Work/Hygenic Practices: No smoking while handling material