

Material Safety Data Sheet

Section 1 Chemical Product and Company Identification

Manufacturer

Federal Process Company
4620 Richmond Rd
Cleveland OH 44128
1-800-846-7325

Emergency Telephone Number

Call Chemtrec at 1-800-424-9300

Product Identifier: PLS2 – No Lead
Product Description: Complex Mixture
Product Use: Pipe Thread Sealant

Section 2 Composition/Information on Ingredients

Additional information is provided in the Regulatory section of this document for Sara 313, California Proposition 65, and various state right-to-know laws.

| Contains: | CAS # | OSHA PEL | ACGIH TLV |
|-----------------------------|-----------------|----------|-----------|
| Polytetrafluorethylene | CAS # 9002-84-0 | NA | NA |
| Isopropyl Alcohol | CAS # 67-63-0 | 400 ppm | 400 ppm |
| Ethylene Glycol Butyl Ether | CAS # 111-76-2 | 50 ppm | 20 ppm |
| Talc | CAS# 14807-96-6 | 2mg/m3 | .1mg/m3 |
| Titanium Dioxide | CAS# 13463-67-7 | 15mg/m3 | 10mg/m3 |

Polytetrafluorethylene can emit toxic vapors at temperatures exceeding 700°F see Section 5 for additional information.

Section 3 Hazards Identification

HMIS HAZARD IDENTIFICATION

Health 1 Flammability 2 Reactivity 0

EMERGENCY OVERVIEW:

PHYSICAL HAZARDS: May become slippery if spilled on floor.

ACUTE HEALTH EFFECTS: May cause severe eye irritation but no lasting damage. Transient irritation may result from extended skin contact. If ingested may cause gastrointestinal discomfort.

CHRONIC HEALTH EFFECTS: No chronic health effects are expected

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 reaction. Give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
EYES: Flush eyes immediately with large quantities of water, lifting the lower and upper lids occasionally. If irritation persists consult a physician.
SKIN: Flush the contaminated skin and wash with soap and water. If irritation develops or persists seek medical advice. Contaminated clothing should be washed prior to re-use.

Section 5 Fire Fighting Measures

EXTINGUISHING MEDIA: Foam (Aqueous Film Forming Foam), dry chemical, carbon dioxide.

SPECIAL PRECAUTIONS: 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.

Polytetrafluorethylene can emit toxic fumes when heated to temperatures exceeding 700°F. The maximum operating temperature for this compound is around 500°F. At these temperatures PTFE does not undergo any thermal degradation and is not hazardous.

FLASH POINT: 90°F (32°C)
LOWER FLAMMABLE LIMIT: 1.1%
UPPER FLAMMABLE LIMIT: 10.6%

AUTOIGNITION TEMPERATURE: Not established

Section 6 Accidental Release Measures

Ventilate area and remove ignition sources. Isolate the spill area, and keep unnecessary people away. Absorb with inert material and collect to disposal. Prevent any washings from entering waterways. Spills or releases to the environment may be reportable to the National Response Center, (800) 424-8802, and to state and/or local agencies.

Section 7 Handling and Storage

HANDLING: Avoid contact with the skin and eyes. Use good industrial hygiene practices. Provide adequate ventilation. Keep containers closed. No smoking or open flame in storage areas. Wash hands after using product and before eating, drinking, smoking or using toilet facilities.

STORAGE: Store in a dry place away from moisture, excessive heat and sources of ignition. Avoid storage near food to prevent food contamination. Avoid freezing.

Section 8 Exposure Controls/Personal Protection

VENTILATION REQUIREMENTS: In confined areas local and general ventilation should be provided to maintain airborne concentrations below permissible exposure limits. Ventilation systems must be designed according to approved engineering standards.

PERSONAL PROTECTION:

EYE: The wearing of protective glasses is recommended when handling any chemicals.

GLOVES: If prolonged or repeated skin contact is expected wear gloves as appropriate to prevent skin contact. Butyl or nitrile rubbers are recommended.

RESPIRATORY: Provide adequate ventilation in the 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.

Section 9 Physical and Chemical Properties

| | |
|-----------------------|-------------------------|
| PHYSICAL STATE: | Dark Grey Paste |
| ODOR AND APPEARANCE: | Slight Odor |
| LOWEST BOILING POINT: | 180°F |
| VAPOR PRESSURE: | 0.88 |
| VAPOR DENSITY: | 1 |
| WATER SOLUBILITY: | Slight |
| % ORGANIC VOLATILES: | 15.0% w/w |
| pH | N.A. |
| SPECIFIC GRAVITY | 1.53 (12.74 LBS/GALLON) |

Section 10 Stability and Reactivity

STABILITY: Stable under normal conditions.

REACTIVITY: Unknown

Section 11 Toxicological Information

Exposure limits: 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.

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

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 Transportation Information

CONTAINERS UNDER 1 GALLON:

DOT HAZARD CLASS: Consumer Commodity ORM-D
PROPER SHIPPING NAME: Consumer Commodity ORM-D
IDENTIFICATION NUMBER: Not Listed
Refer to CFR 49 Section 173.150 for specific requirements.

CONTAINERS ONE GALLON AND OVER:

DOT HAZARD CLASS: FLAMMABLE LIQUID, 3
PROPER SHIPPING NAME: FLAMMABLE LIQUID N.O.S. (contains Alcohol)
D.O.T. UN/NA NUMBER: UN1993, PG III

Section 15 Regulatory Information

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

| CAS Number | SARA | WHMIS | CA-65 |
|-----------------------------|----------|-------|-------|
| 111-76-2 | X 313 | X | |
| Ethylene Glycol Butyl Ether | | | |

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

TSCA STATUS: All ingredients of this product comply with the requirements of the US EPA Toxic Substances Control Act.

Section 16 Other

Prepared by R. L.

Revised by JLM

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. The Federal Process Company makes no warranty, either express 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.