

Material Safety Data Sheet

Section 1 Chemical Product and Company Identification

Manufacturer

Federal Process Corporation
4620 Richmond Road
Cleveland OH 44128
Phone: 800-846-7325

Health - 1
Flammability - 1
Reactivity - 1

Emergency Telephone Number Call Chemtrec at 1-800-424-9300

Product Identifier: JC-30, PTFE Sealing Compound
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#	% by w%
Castor Oil –	68187-84-8	29-39%
Castor Oil -	64147-40-6	3-6%
Titanium Dioxide	13463-67-7	3-6%
Micro Mica	12001-26-2	10-14%
Fumed Silica	112945-52-5	0 – 3 %
Calcium Silicate	13983-17-0	7-10%
Talc (magnesium silicate)	14807-96-6	7-10%
Polyethylene	25087-43-7	2-7%
Polytetrafluoroethylene	9002-84-0	14-23%

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

Section 3 Hazards Identification

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. This product contains a petroleum oil. Do not induce vomiting, because the oil may be aspirated into the lungs. Use a gastric lavage and call a poison center or a physician.

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: This compound will not burn unless it is 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 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: >450 F

LOWER FLAMMABLE LIMIT: Not established

UPPER FLAMMABLE LIMIT: Not established

AUTOIGNITION TEMPERATURE: Not established

Section 6 Accidental Release Measures

Isolate the spill area, and keep unnecessary people away. Absorb spilled material with a suitable inert absorbent material. Collect and dispose of the contaminated absorbent in accordance with local state and federal laws.

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.

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 and 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:	White paste	ODOR AND APPEARANCE:	Mild grease odor
LOWEST BOILING POINT:	Does not apply	VAPOR PRESSURE:	Not established
VAPOR DENSITY:	Not established	WATER SOLUBILITY:	Insoluble
% ORGANIC VOLATILES:	0.0% w/w	pH	Not applicable
SPECIFIC GRAVITY	1.41 (11.73 LB/GAL)		

Section 10 Stability and Reactivity

STABILITY: This product is stable under recommended conditions of storage and handling.

REACTIVITY: Product may react with strong oxidizers or strong acids

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: Do not allow this compound to enter water ways or sewers.

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.

Section 14 Transportation Information

DOT HAZARD CLASS:	Not Regulated
PROPER SHIPPING NAME:	Not Regulated
IDENTIFICATION NUMBER:	Not Listed

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
	313		
	None		None

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.

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 Corporation 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