




SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: PipeFit®
Product Code: 46030 1pt. BIC, 46031 1 qt., 46032 1 Gal., 46033 5 gal., 46034 55 gal., 46048 1 qt. BIC
Product Use: Pipe thread sealant
Manufacturer: Fire Protection Products Inc.
 6241 Yarrow Drive
 Suite A
 Carlsbad, CA 92011-1541
Phone Number: 1-800-344-1822
24-hour Emergency: CHEMTREC: (800) 424-9300

Section 2: Hazards Identification

Protective Clothing	NFPA Rating (USA)	EU Classification	WHMIS (Canada)	Transportation
		Not classified as dangerous	 Not controlled	Not Regulated

Emergency Overview:

Exposure to hazardous substances is not expected when handling this product for its intended use. Extreme heating (>300°C) or during a fire may generate dense smoke, irritating and toxic fumes.

Appearance, Color and Odor: White-cream colored paste with mild odor.

USA: This material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200).

Canada: This is not a controlled product under WHMIS.

European Union (EU): This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Potential Health Effects

ACUTE (short term): see Section 8 for exposure controls

Pipefit® does not present an inhalation, ingestion, or contact health hazard unless subjected to extreme heating.

Relevant Route(s) of Exposure:

Skin contact.

Inhalation:

No health effects expected with normal use of the product. Extreme heating (>300°C) of the product can release irritating vapors. Symptoms of irritation include coughing, sneezing, nasal discharge, headache, hoarseness and pain in the upper respiratory tract.

Products of thermal decomposition of fluorocarbon monomers and polymers can produce a condition known as "polymer-fume fever"; the symptoms are flu-like (chills, headache and fever) with chest tightness and mild cough, onset of symptoms may be delayed.

Ingestion:

Not an expected route of occupational exposure. Acute oral toxicity of the component substances is low.

Skin:

No adverse health effects expected with normal use of the product.

Eye:

Direct eye contact may cause temporary irritation as a foreign object in the eye. Symptoms of irritation include redness, swelling, pain and blurred or hazy vision.

SAFETY DATA SHEET

Section 2: Hazards Identification (continued)

CHRONIC (long term): see Section 11 for additional toxicological data

Medical Conditions Aggravated by Exposure:

Repeated skin contact may cause an allergic skin reaction.
Preexisting skin disorders may be aggravated by repeated exposure to the product.

Interactions With Other Chemicals:

Cigarette smoking is a common means of creating exposure to the products of decomposition of fluorocarbon monomers and polymers. Fluorocarbons may be deposited on cigarettes from the air or from workers' fingers. As a cigarette is smoked, fluorocarbons are then burned and the products of decomposition are inhaled with the cigarette smoke.

Potential Environmental Effects:

Not available

Section 3: Composition / Information on Ingredients

Hazardous Ingredients:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt.%</u>	<u>EINECS / ELINCS</u>	<u>Symbol</u>	<u>Risk Phrases</u>
Light Naphthenic hydrotreated distillates	64742-53-6	15 - 20	265-156-6	Not applicable	Not applicable
Ethanol	64-17-5	0.1 - 0.2	200-578-6	F	R11
PTFE	9002-84-0	3 - 7	Polymer Monomer is listed 204-126-9	None*	None

Note: * This chemical substance is not classified in the Annex I of Directive 67/548/EEC.
See Section 16 for the full text of the R-phrases above.

Section 4: First Aid Measures

- Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
- Eye Contact:** Do not allow victim to rub eye(s). Let the eye(s) water naturally for a few minutes. Have victim look right and left, and then up and down. If particle/dust does not dislodge, flush with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelid(s) open. If irritation persists, obtain medical attention. DO NOT attempt to manually remove anything stuck to eye(s).
- Skin Contact:** Quickly and gently, blot or brush away excess paste. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. If irritation develops, obtain medical advice.
- Ingestion:** If irritation or discomfort occurs, obtain medical advice immediately.

Section 5: Fire Fighting Measures

- Flammable Properties:** Product will burn if involved in a fire but does not ignite readily.
- Suitable extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or an appropriate foam. Use water spray to cool fire-exposed containers.
- Unsuitable extinguishing Media:** Not applicable
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not applicable
 - Sensitivity to Static Discharge:** Not applicable

SAFETY DATA SHEET

Section 5: Fire Fighting Measures, continued

Specific Hazards arising from the Chemical: During a fire, products of combustion may include Hydrogen fluoride, Perfluoro-carbon olefins and oxides of carbon. Irritating and harmful fumes are released when PTFE is heated above 300°C. The decomposition products and the resulting health effects are temperature-dependent.

Protective Equipment and precautions for firefighters: Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel.

NFPA

Health: 0
Flammability: 0
Instability: 0

Section 6: Accidental Release Measures

Personal Precautions: Spilled product may pose a slipping hazard.

Environmental Precautions: Prevent the product from entering sewers or waterways.

Methods for Containment: Not applicable

Methods for Clean-up: Pick up spilled product and collect for re-use or proper disposal. Dispose of any contaminated, unusable product as described in Section 13 of this SDS.

Section 7: Handling and Storage

Handling: Avoid contact with eyes and skin; do not breathe fumes. Do not use near sources of extreme heat. Keep out of reach of children. Wash thoroughly with detergent and water after handling, before eating, drinking, smoking or using the toilet.

Storage: Store in a cool, dry area, away from heat, flames and ignition sources.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Measurable airborne concentrations of the component substances, listed in Section 3, are not expected when product is used as directed on the label for its intended purpose.

Exposure Controls

Engineering Controls: Not required for normal use. If product is overheated, provide adequate ventilation to keep fume concentrations below any applicable exposure limits. Consult local authorities for acceptable exposure limits.

Personal Protection:

Eye/Face Protection: No special requirements.

Skin Protection: Wear appropriate gloves when needed to prevent skin contact.

Respiratory Protection: Not required for normal use. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements, European Standard EN529 or Canadian Standards Association (CSA) Standard Z94.4-2002 must be followed whenever workplace conditions warrant a respirator's use.

General Hygiene Measures: Do not ingest. Avoid contact with skin and eyes. Keep out of reach of children. Wash hands after handling.

SAFETY DATA SHEET

Section 9: Physical and Chemical Properties

Physical State:	Paste	Flash Point & method:	150°C (300°F) (toc)
Appearance, Color and Odor:	White-cream colored paste; mild odor.	Autoignition Temperature:	Not applicable
Odor Threshold:	Not available	Flammability Limits in Air:	Not applicable
pH:	Not applicable	Vapor Pressure:	Not applicable
Relative density: (water = 1)	1.48	Vapor Density: (Air = 1)	Not applicable
Partition coefficient: (n-octanol/water)	Not available	Evaporation Rate: (n-Butyl Acetate = 1)	Not applicable
Solubility:	Insoluble in water.	Boiling Point/Range:	177°C (350°F)
Viscosity:	Not available	Melting Point:	Not available
Decomposition Temperature:	Not available	VOC Content:	0% w/w

Section 10: Stability and Reactivity

Chemical Stability:	Stable at normal room temperature.
Conditions to Avoid:	Avoid extreme heat and open flames.
Incompatible Materials:	Incompatible with strong oxidizing agents. strong acids, strong alkalis, aromatic solvents, chlorinated solvents.
Hazardous Decomposition Products:	Hydrogen Fluoride, Perfluoro- carbon olefins, oxides of carbon.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.

Section 11: Toxicological Information

Acute Toxicity Data Acute toxicity data is not available for the mixture. Acute toxicity of the component substances is low.

Ingredient	LD₅₀ Oral (mg/kg)	LD₅₀ Dermal (mg/kg)	LC₅₀ Inhalation (4 hrs.)
Light Naphthenic hydrotreated distillates	>5 000 (rat)	>2 000 (rabbit)	2.18 mg/L (rat)
Ethanol	1 501 (rat)	Not available	124.7 mg/L (rat)
PTFE	Not available	Not available	Not available

SAFETY DATA SHEET

Section 11: Toxicological Information (continued)

Chronic Toxicity Data

Carcinogenicity: Light Naphthenic hydrotreated distillates, has less than 3% DMSO extract as measured by IP 346. This product is not required to be labeled according to the European Directive 67/548/EEC.

IARC Group 3, Not classifiable as to its carcinogenicity in humans.
ACGIH A4, Not classifiable as a human carcinogen.

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Light Naphthenic hydrotreated distillates	Not listed	Group 3	Not listed
Ethanol	A4	Not applicable	Not applicable
PTFE	Not listed	Group 3	Not listed

ACGIH: (American Conference of Governmental Industrial Hygienists)

IARC: (International Agency for Research on Cancer)

NTP: (National Toxicology Program)

Irritation: Not available

Corrosivity: Not applicable

Sensitization: Product contains a substance which may cause an allergic skin reaction. There is no test data available for the product.

Neurological Effects: Not available

Genetic Effects: Not available

Reproductive Effects: Not available

Developmental Effects: Not available

Target Organ Effects: Not available

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity is expected to be low due to the product's insolubility in water.

Persistence/Degradability: Not available

Bioaccumulation/Accumulation: Product is not readily biodegradable.

Mobility: Not available

Section 13: Disposal Considerations

Waste Disposal Method: Do NOT discard into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.
The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, the supplier does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

USA: Dispose of in accordance with local, state and federal laws and regulations.

Canada: Dispose of in accordance with local, provincial and federal laws and regulations.

EU: Waste must be disposed of in accordance with relevant EU Directives and national, regional and local environmental control regulations. For disposal within the EU, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SAFETY DATA SHEET

Section 14: Transport Information:

U.S. Hazardous Materials Regulation (DOT 49CFR):	Not regulated
Canadian Transportation of Dangerous Goods (TDG):	Not regulated
ADR/RID:	Not regulated
IMDG:	Not regulated
Marine Pollutants:	Not applicable
ICAO/IATA:	Not regulated

Section 15: Regulatory Information

USA

TSCA Status: All ingredients in the product are listed on the TSCA inventory.

SARA Title III

Sec. 302/304: None
Sec. 311/312: Not applicable
Sec. 313: Not applicable
CERCLA RQ: Not applicable

California Prop 65: Not applicable

State Right-to-Know Lists : State right to know lists: Titanium dioxide, Massachusetts, New Jersey, and Pennsylvania.

Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

WHMIS Classification: Not controlled

DSL: All component substances are listed on Canada's Domestic Substances List (DSL).

EU Classification for the Substance/Preparation

Symbol: This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Section 16: Other Information

Preparation Information:

Prepared by: LEHDER Environmental Services Limited (519) 336-4101
www.lehder.com

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Disclaimer: While LEHDER Environmental Services Limited believes that the data set forth herein is accurate, as of the date hereof, LEHDER makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.

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