

Date Prepared: January 20, 2017

1. Product and Company Identification

Jet-Lube LLC / Deacon
 Bldg. #1, West Point Drive
 Washington, PA 15301 USA
 Phone (724) 225-8008

24 Hour Emergency Response Contact:
CHEMTREC (USA and CANADA)
 Phone: **800-424-9300** or 703-527-3887

Product Name: Deacon PFPE GREASE
 Product Type: PTFE Thickened Perfluorinated Polyether Fluid
 Product Description: White to beige grease
 General Use : lubricant, grease and release compound, sealant

2. Hazards Identification

GHS Classification : NONE
GHS Label Elements : NONE

WARNING : Wash hands before eating or smoking. See section 11. (Acute Health Hazards)
WARNING : Do not exceed 260 C. (500 F)

3. Composition / Information on Ingredients

Hazardous Ingredients	CAS No.	% by weight
None		

4. First Aid Measures

Ingestion: DO NOT INGEST. Drink 1 or 2 glasses of water. Do not induce vomiting. Wash mouth out. Call a physician or get medical help immediately.
 Inhalation: Not an inhalation risk unless overheated. Avoid heating above recommended temperature limit. Do not exceed 260 C. (500 F)
 Skin Contact: Wash with soap and water, consult physician if irritation develops.
 Eye Contact: Flush with water 15 minutes. If symptoms persist, seek medical attention.

5. Fire Fighting Measures

Recommended Extinguishing Agent:
 Foam, Dry Chemical, Carbon Dioxide, Water Fog
 Special Fire Fighting Procedures:
 Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. (Professionally Trained Personnel).
 Hazardous Products Formed by Fire or Thermal Decomposition:
 Hydrogen Fluoride, Carbonyl Fluoride, Fluorophosgene, toxic decomposition products may be evolved during a fire.
 Unusual Fire or Explosion Hazards: None
 Compressed Gases: None
 Pressure at Room Temperature: Does not apply

6. Accidental Release Measures

Steps to be taken in cases of spill or leak:

Wear proper personal protective equipment. Remove any sources of ignition from the area and allow hot surfaces to cool. Return uncontaminated material to container and seal container tightly. Dispose of contaminated material or waste. Clean up with mineral spirits.

7. Handling and Storage

Storage: Cool, dry, storage. Store in closed containers. Keep away from ignition sources. Keep away from incompatible materials.

Handling: Avoid contact with skin and eyes. To avoid thermal decomposition do not overheat. Wear appropriate safety gear as required in work area. Do not exceed 260 C. (500 F)

8. Exposure Controls / Personal Protection

Exposure Limits

Ingredients

Polytetrafluoroethylene	Acceptable Exposure Limits* 10 mg/m3 8 hr TWA (Total Dust) 5 mg/m3 8 hr. TWA (Respirable Dust)
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*AEL is the manufacturers Acceptable Exposure Limit, where governmentally imposed occupational exposure limits are lower than the AEL are in effect, such limits shall take precedence.

	ACGIH (TLV)	OSHA (PEL)	OTHER
Thermal Decomposition			
Hydrogen Fluoride Anhydrous	0.5 ppm as F	2.5 mg/m3 as F	
Carbonyl Difluoride	2 ppm	2.5 mg/m3 as F	

Personal Protective Equipment (PPE)

Eyes: Safety Glasses

Skin: Latex gloves.

Respiratory Protection:

No personal respiratory equipment normally required. If Temp. exceed 250° C use respirator if ventilation is inadequate to maintain HF and Carbonyl Fluoride levels below permissible exposure limit, use a positive pressure air supplied respirator. Air purifying respirators may not provide adequate protection. Do not exceed 260 C. (500 F)

Other Protective Clothing or Equipment:

Coveralls or other protective clothing. Safety equipment as required in area..

Work / Hygienic Practices:

Avoid contact with skin. Wash hands before eating or **smoking**.

Engineering Controls :

Ventilation: Local exhaust if heated, if poorly ventilated area or in confined spaces.

9. Chemical and Physical Properties

Appearance:	White to beige grease
Odor:	No Odor
pH:	6.7
Solubility in Water:	insoluble
Specific Gravity:	1.91-1.92 (H2O =1)
Evaporation Rate:	Not Applicable
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Vapor Pressure:	Not Established
Vapor Density:	Not Established
VOC Content:	None (under 260 C)
Flash Point:	Not Flammable Method: None

Flammable Limits:

LEL: Not Established

UEL: Not Established

10. Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Hazardous Decomposition Or By-Products: Hydrogen Fluoride, Carbonyl Fluoride, Fluorophosgene, toxic decomposition products may be evolved during a fire.

Incompatibility: Fluorine, and related compounds. Finely divided metal powders. Alkali Metals, Interhalogen Compounds, Lewis Acids (Friedel-Crafts) above 100 C. Aluminum and magnesium in powder form above 200 C. Metals promote and lower decomposition temperature, non-aqueous alkalis.

Do not exceed 260 C. (500 F)

11. Toxicology Information

Acute Oral Toxicity : LD50 RAT > 5000 mg/kg
Acute Inhalation Toxicity: No data available
Acute Dermal Toxicity : LD50 RAT > 2000 mg/kg

Existing Conditions Aggravated by Exposure: None Known

Carcinogenicity : No data available

OSHA Regulated: NO

Toxicity : (Not a toxicity hazard in purchased state and under recommended temperature limits)

Acute Health Hazards: Skin: may cause Irritation
Inhalation: None expected when used within prescribed recommended temperature range. The thermal decomposition vapors of fluorinated polymers (PTFE above 330 C) may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Do not exceed 260 C. (500 F)

Chronic Health Hazards: Long term dermal exposure may cause possible skin irritation. Elevated temperatures or mechanical action may form vapors or fumes. Inhalation of oil mists or vapors may cause irritation of the upper respiratory tract.

12. Ecological Information

PTFE is essentially inert to the environment. PTFE does not decompose in landfills and therefore does not release toxic degradation materials into the ecosystems. PTFE is not toxic to aquatic life.

Liquid binder : Oncorhynchus mykiss (rainbow Trout) LC50, 96 h, >360 mg/l remarks; saturated aqueous solution
Daphnia magna (water flea) EC50, 48 h, >360 mg/l remarks; saturated aqueous solution

13. Disposal Considerations

Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be in compliance with all Federal, State and Provincial and local laws and regulations. Regulations may vary in different locations. Can be incinerated when in compliance with local regulations. Incinerator must be equipped with a system for the neutralization or recovery of HF.

14. Transport Information

DOT (49 CFR 172): Not Regulated

IATA : Not Regulated

15. REGULATORY INFORMATION

CERCLA HAZARDOUS SUBSTANCES (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355): This product does not contain any SARA 302 Extremely Hazardous Substances.

SARA TITLE III SECTION 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370): Certain ingredients of this product are regulated under Sara Title III Section 311/312, see section 3 of this MSDS.

SARA TITLE III SECTION 313 (40 CFR Part 372): None

U.S. INVENTORY (TSCA): Any chemical substances (as defined in 40 CFR Part 710.2), that are contained in, or used in the manufacture of this product, are reported in the EPA TSCA Inventory. (As required per 40 CFR 710.3)

CALIFORNIA PROPOSITION 65: None known

CANADA WHMIS: This product does not contain any substances listed on the WHMIS ingredient disclosure list.

EUROPEAN UNION : Polytetrafluoroethylene: CLP Eye Irrit. 2

16. OTHER INFORMATION

The information contained in this MSDS sheet is based upon data supplied by our suppliers and data determined by us in our facilities at the time these products were formulated. We have reviewed any information that we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety data in this sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. If after reviewing this MSDS you have determined that this product poses unusual risks to you, your plant, or your plant personnel, or if you cannot comply fully with all safety recommendations, do not use this product. This product is intended for a temporary repair. The responsibility for whether or not the product is suitable for use rest solely with the purchaser. We recommend that the product be tested prior to use. Your use of this information is beyond our control, therefore, the information is provided without warranty expressed or implied. We accept no liability beyond the purchase price of the material.

Estimated HMIS® Code:

Health Hazard:	0
Flammability Hazard:	0
Physical Hazard:	0
Personal Protection:	NPCA recommends that PPE codes be determined by the employer, who is familiar with the actual conditions under which chemicals in the facility are used.

PREPARATION INFORMATION

Prepared By:	Safety Department
Company:	Jet-Lube LLC / Deacon
Revision Date:	None Revision: None