

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-699/69991-61-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
69991-61-3  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
PERFLUORINATED POLYETHER (PFPE)

**Other REC Limits:**  
NOT PROVIDED

**OSHA PEL:**  
NOT PROVIDED  
**Code:**  
M

**OSHA STEL:**  
N/P  
**Code:**

**ACGIH TLV:**  
NOT PROVIDED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NOT REQUIRED UNDER NORMAL CONDITIONS.

**Ventilation:**  
RECOMMENDED. LOCAL EXHAUST: NOT REQUIRED. MECHANICAL (GENERAL): RECOMMENDED.

**Protective Gloves:**  
PLASTIC DISPOSABLE RECOMMENDED.

**Eye Protection:**  
SAFETY GLASSES RECOMMENDED.

**Other Protective Equipment:**  
Equipment PLASTIC DISPOSABLE APRON OR COVERALLS RECOMMENDED.

**Work Hygienic Practices:**  
DO NOT CONTAMINATE FOOD OR SMOKING MATERIALS. WASH HANDS AFTER EXPOSURE.

**Supplemental Safety and Health:**  
ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL) > 5,000 MG/KG

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
NONE. .

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
MILD IRRITANT TO THE SKIN UPON PROLONGED EXPOSURE FOR SOME INDIVIDUALS. DECOMPOSITION PRODUCT FORMED AT HIGH TEMPERATURES MAY CAUSE "POLYMER FEVER".

**Medical Cond Aggravated By Exposure:**  
NONE KNOWN. 3

**First Aid:**  
IN CASE OF SKIN CONTACT, WASH WITH SOAP AND WATER.

**Spill Release Procedures:**  
USE ABSORBENT MATERIAL TO COLLECT AND CONTAIN FOR SALVAGE AND DISPOSAL.

**Neutralizing Agent:**  
NOT RELEVANT

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
DO NOT STORE NEAR FLAMMABLES OR EXPLOSIVE MATERIALS.

**Other Precautions:**  
TOXIC VAPORS MAY BE EVOLVED ABOVE 290C. PROVIDE ADEQUATE VENTILATION IF PRODUCT IS ABOVE THIS TEMPERATURE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/A

**Flash Point:**

**Flash Point Text:**  
N/A

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/A

**Upper Limits:**  
N/A

**Extinguishing Media:**  
N/A

**Fire Fighting Procedures:**  
SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING RECOMMENDED.

**Unusual Fire/Explosion Hazard:**  
4 DECOMPOSITION AT TEMPERATURES ABOVE 290C MAY CAUSE THE EVOLUTION OF TOXIC GASEOUS FLUORINE COMPOUNDS.

## Physical/Chemical Properties

**HCC:**  
V6

**NRC/State LIC No:**  
NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
NOT APPLICABLE

**Melt/Freeze Pt:**  
>250.C, 482.F

**M.P/F.P Text:**  
5

**Decomp Temp:**  
>290.C, 554.F

**Decomp Text:**

**Vapor Pres:**  
<.001MM HG@20C

**Vapor Density:**  
N/A

**Volatile Org Content %:**

**Spec Gravity:**  
1.990

**VOC Pounds/Gallon:**

**PH:** NOT APPLICABLE

**VOC Grams/Liter:**

**Viscosity:**  
NOT APPLICABLE

**Evaporation Rate & Reference:**  
NOT APPLICABLE

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
WHITE, ODORLESS

**Percent Volatiles by Volume:**  
NOT PROVIDED

**Corrosion Rate:**  
NOT PROVIDED

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEATING ABOVE 290C.

**Materials To Avoid:**  
STRONG OR NOT AQUEOUS ALKALI AND LEWIS ACIDS ABOVE 100C.

**Hazardous Decomposition Products:**  
TOXIC HF AND COF2 FROM THERMAL DECOMPOSITION IN AIR.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
HEATING ABOVE 290C.

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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