

**Krytox™ PFPE Oils**

Version 3.0

Revision Date 10/13/2015

Ref. 150000000934

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Krytox™ PFPE Oils  
Product Grade/Type : GPL: 100, 101, 102, 103, 104, 105, 106, 107, 107-500  
VPF: 1506, 1514, 1520, 1525, 1525S, 1531, 1531E, 1618, 1645, 16256,  
16350  
CBF: 100A, 100B, 103B  
GBO: 14, 25  
XHT- : 500, 750, 1000  
FG 40  
AUT 1045  
4442, 4402, TFO, TLC, NBF140  
TLF 8996  
KDP-4885  
Krytox ESP 250C  
Krytox SKY188  
Zonyl 1045

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Product Use : Lubricant, For professional users only.

Restrictions on use : Do not use product for anything outside of the above specified uses  
Manufacturer/Supplier : The Chemours Company FC, LLC  
1007 Market Street  
Wilmington, DE 19899  
United States of America

Product Information : 1-844-773-CHEM (outside the U.S. 1-302-773-1000)  
Medical Emergency : 1-866-595-1473 (outside the U.S. 1-302-773-2000)  
Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**



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Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

### **Other hazards**

The product as such is not hazardous., Inhalation of decomposition products from overheating may cause lung irritation or shortness of breath.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

### **SECTION 4. FIRST AID MEASURES**

- |  |   |
|--|---|
| General advice                                     | : When symptoms persist or in all cases of doubt seek medical advice.   |
| Inhalation   | : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.   |
| Skin contact                                       | : Wash with water and soap as a precaution.   |
| Eye contact  | : Rinse with plenty of water. If eye irritation persists, consult a specialist.   |
| Ingestion  | : Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by a physician or poison control center. |
| Most important symptoms/effects, acute and delayed | : No applicable data available.   |



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Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : No applicable data available.

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : No applicable data available.

Specific hazards : In fire conditions, toxic decomposition products may be formed. (see also section 10)

Special protective equipment for firefighters : Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.

Further information : Standard procedure for chemical fires.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : No applicable data available.

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

Spill Cleanup : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Accidental Release Measures : No applicable data available.



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**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Avoid breathing vapors from overheated material.  
General industrial hygiene practice.
- Handling (Physical Aspects) : No applicable data available.
- Dust explosion class : No applicable data available.
- Storage : No special storage conditions required. Keep container closed to prevent contamination.  
No decomposition if stored and applied as directed.
- Storage period : No applicable data available.
- Storage temperature : No applicable data available.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering controls : In the event that the polymer is heated above 350°C (662°F), local ventilation should be used to avoid exposure to fumes.
  - Personal protective equipment
    - Respiratory protection : No personal respiratory protective equipment normally required. In the case of hazardous fumes caused by overheating, wear self-contained breathing apparatus.
    - Hand protection : Additional protection: No particular glove type is recommended, but nitrile may be used.
    - Eye protection : Safety glasses
    - Skin and body protection : No PPE is specified however, avoid contact with skin, eyes, and clothing.  
Preventive skin protection
  - Exposure Guidelines
    - Exposure Limit Values
- Contains no substances with occupational exposure limit values.

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This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## Appearance

Physical state : liquid  
Form : viscous, liquid  
Color : colourless

Odor : none

Odor threshold : No applicable data available.

pH : neutral

Melting point/freezing point : pour point  
< -5 °C (23 °F)

Boiling point/boiling range : No applicable data available.

Flash point : Method: Pensky-Martens closed cup - PMCC  
does not flash

Evaporation rate : No applicable data available.

Flammability (solid, gas) : No applicable data available.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

Specific gravity (Relative density) : ca. 1.86 - 1.91 at 24 °C (75 °F)

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Water solubility	:	insoluble
Solubility(ies)	:	No applicable data available.
Partition coefficient: n-octanol/water	:	No applicable data available.
Auto-ignition temperature	:	No applicable data available.
Decomposition temperature	:	ca.350 °C
Viscosity, kinematic	:	No applicable data available.
Viscosity, dynamic	:	No applicable data available.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Decomposes on heating.
Conditions to avoid	:	Decomposition temperature 350 °C (662 °F)
Incompatible materials	:	No applicable data available.
Hazardous decomposition products	:	Hazardous thermal decomposition products: Fluorinated compounds

**SECTION 11. TOXICOLOGICAL INFORMATION****Carcinogenicity**

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology



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Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

### **SECTION 12. ECOLOGICAL INFORMATION**

Environmental Fate  
Krytox™ PFPE Oils  
Biodegradability

: According to the results of tests of biodegradability this product is not readily biodegradable.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste disposal methods -  
Product

: In accordance with local and national regulations.

Contaminated packaging

: Dispose of container properly.  
If recycling is not practicable, dispose of in compliance with local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

### **SECTION 15. REGULATORY INFORMATION**

TSCA

: On the inventory, or in compliance with the inventory



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### **SECTION 16. OTHER INFORMATION**

Restrictions for use : Do not use Chemours materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from Chemours under a written contract that is consistent with Chemours policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your Chemours representative. You may also request a copy of the Chemours POLICY Regarding Medical Applications and Chemours CAUTION Regarding Medical Applications.

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