Krytox[®] PFPE Oils

Version 2.0

Revision Date 02/22/2011

Ref. 15000000934

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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name Product Grade/Type	::	Krytox [®] PFPE Oils GPL: 100, 101, 102, 103, 104, 105, 106, 107, 107-500 VPF: 1506, 1514, 1525, 1525S, 1531, 1531E, 1618, 1645, 16256, 16350 CBF: 100A, 100B, 103B GBO: 14, 25 XHT- : 500, 750, 1000 FG: 10, 12, 15, 40, 45 AUT 1045 4442, 4402, TFO, TLC, NBF140 TLF 8996
MSDS Number	:	15000000934
Product Use	:	Lubricant
Manufacturer	:	E.I. du Pont Canada Company P.O. Box 2200, Streetsville Mississauga, ON L5M 2H3 Canada
Product Information Medical Emergency		1-800-387-2122 1-800-441-3637 (24 hours)
Other information	:	professional use

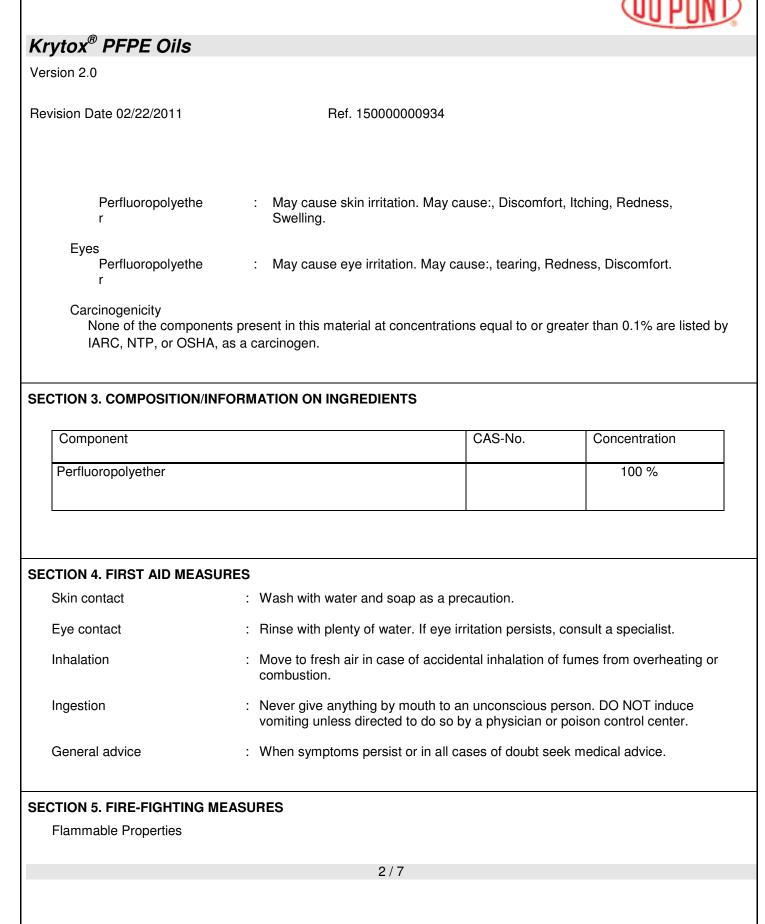
SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

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

Potential Health Effects Skin





aterial Safety Data Sheet	QU PONT
rytox [®] PFPE Oils	
ersion 2.0	
evision Date 02/22/2011	Ref. 15000000934
Flash point	: Method : Pensky-Martens closed cup - PMCC does not flash
Thermal decomposition	: ca. 350 °C (662 °F)
Fire and Explosion Hazard	: In fire conditions, toxic decomposition products may be formed. (see also section 10)
Suitable extinguishing media	: The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Firefighting Instructions	: Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment. Standard procedure for chemical fires.
	G MEASURES and HANDLING (PERSONNEL) sections before proceeding with clea AL PROTECTIVE EQUIPMENT during clean-up. : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder,
	universal binder, sawdust).
Accidental Release Measures	: Prevent material from entering sewers, waterways, or low areas.
	DRAGE
ECTION 7. HANDLING AND STO	
ECTION 7. HANDLING AND STO Handling (Personnel)	: Avoid breathing vapors from overheated material. General industrial hygiene practice.
	: Avoid breathing vapors from overheated material.
Handling (Personnel)	 Avoid breathing vapors from overheated material. General industrial hygiene practice. No special storage conditions required. Keep container closed to prevent contamination.

Material Safety Data Sheet	QU PONT.			
Krytox [®] PFPE Oils				
Version 2.0				
Revision Date 02/22/2011	Ref. 15000000934			
SECTION 8. EXPOSURE CONTRO	DLS/PERSONAL PROTECTION			
Engineering controls	: In the event that the polymer is heated above 350 ℃ (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 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				
None established.				
SECTION 9. PHYSICAL AND CHE	MICAL PROPERTIES			
Form	: viscous, liquid			
Color Odor	: colourless : none			
pH	: neutral			
Pour point	: -5515 °C (-67 - 5 °F)			
Specific Gravity Water solubility	: ca. 1.86 - 1.91 at 24 ℃ (75 ℉) : insoluble			
SECTION 10. STABILITY AND RE	: Stable under recommended storage conditions.			
4 / 7				

Material Safety Data Shee	QUPOND			
Krytox [®] PFPE Oils				
Version 2.0				
Revision Date 02/22/2011	Ref. 15000000934			
Conditions to avoid	: Decomposition temperature 350 ℃ (662 °F)			
Hazardous decomposition products	: Hazardous thermal decomposition products: Fluorinated compounds			
SECTION 11. TOXICOLOGICAL I	NFORMATION			
Perfluoropolyether Dermal ALD	: ca. > 17,000 mg/kg , rabbit			
Oral LD50	: > 37,400 mg/kg , rat			
Inhalation 4 h ALC	: ca. > 19.54 mg/l , rat			
Skin irritation	: slight irritation, rabbit			
Eye irritation	: slight irritation, rabbit			
Skin sensitization	: Patch test on human volunteers did not demonstrate sensitization properties., human			
Mutagenicity	: Did not cause genetic damage in cultured bacterial cells.			
Further information	: The substance is a polymer and is not expected to produce toxic effects.			
SECTION 12. ECOLOGICAL INFO	ORMATION			
Aquatic Toxicity Perfluoropolyether 96 h LC50	 Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l The substance is a polymer and is not expected to produce toxic effects. 			
48 h EC50	: Daphnia magna (Water flea) > 1,000 mg/l			
SECTION 13. DISPOSAL CONSI	DERATIONS			
Waste Disposal	: In accordance with local and national regulations.			
	5 / 7			

Material Safety Data She	et
Krytox [®] PFPE Oils	
Version 2.0	
Revision Date 02/22/2011	Ref. 15000000934
Environmental Hazards	: Dispose of container properly. If recycling is not practicable, dispose of in compliance with local regulations.
SECTION 14. TRANSPORT INI	FORMATION
Not classified as dangerous	s in the meaning of transport regulations.
SECTION 15. REGULATORY I	NFORMATION
TSCA Status DSL Status	On the inventory, or in compliance with the inventoryOn the inventory, or in compliance with the inventory
WHMIS Classification	: - Not WHMIS controlled.
SECTION 16. OTHER INFORM	ATION
MSDS preparation date	: 02/22/2011
Restrictions for use	: Do not use DuPont 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 DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of the DuPont POLICY Regarding Medical Applications H-50103-3 and DuPont CAUTION Regarding Medical Applications H-50102-3.
Krytox [®] and The DuPont O are trademarks of E. I. du F	val Logo [®] Pont de Nemours and Company
	this Safety Data Sheet is correct to the best of our knowledge, information and belief at The information given is designed only as a guidance for safe handling, use, processing,
	6 / 7

Material Safety	Data	Sheet
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Krytox[®] PFPE Oils

Version 2.0

Revision Date 02/22/2011

Ref. 15000000934

storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.

