

MATERIAL SAFETY DATA SHEET



Date Issued: 2/10/06
Item No.: 1100-9930
Revision No.: 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Krytox® Grease
GENERAL USE: Lubricant, Oxygen Applications

MANUFACTURER
DuPont™

24 HR EMERGENCY TELEPHONE NUMBER

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

COMPOSITION / INFORMATION OF INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Perfluoroalkylether	73-82	60164-51-4	
PTFE	18-27	9002-84-0	

HAZARDS AND IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:
IMMEDIATE CONCERNS:

POTENTIAL HEALTH EFFECTS:

EYES: May cause significant irritation of the eyes, tearing, or blurring of vision.
SKIN: May cause significant irritation to the skin, redness, and inflammation of the hair follicles.
INGESTION:
INHALATION: May cause significant irritation to the lungs, pulmonary edema, or polymer fume fever.

SIGNS AND SYMTOMS OF OVEREXPOSRE:

CARCINOGENICITY: Not listed

FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with running water for at least 15 minutes. Get medical attention.

SKIN: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Wash contaminated clothing and shoes before reuse.

INGESTION: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

INHALATION: Remove from further exposure. Give artificial respiration if not breathing. Administer oxygen if breathing is difficult.

FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Does not ignite Pensky-Martens CC

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE CLASS: Not Available

FLAMMABLE LIMITS: Not Available

GENERAL HAZARD: Not Available

EXTINGUISHING MEDIA: Use extinguishing agent suitable for type of surrounding area

HAZARDOUS COMBUSTION PRODUCTS: Not Available

FIRE FIGHTING PROCEDURES: This product is a nonflammable substance. However, decomposition at flame temperatures may form toxic fluorine compounds.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment and self contained breathing apparatus should be used.

ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Place in container for disposal. Remove source of heat and flame.

HANDLING AND STORAGE

HANDLING: Use appropriate personal protective equipment as specified above. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

STORAGE: Keep container tightly closed. Do not store with or consume food, drink or tobacco in areas where they may become contaminated with this material.

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

		EXPOSURE LIMITS					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
PTFE	TWA	NE		NE			
	STEL						

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Where the potential exists for exposure to decomposition products due to heating or elevated temperatures, use a NIOSH approved particulate respirator.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Odorless

APPEARANCE: Waxy grease

COLOR: White

pH: Neutral

MELTING POINT: 320°C (608°F)

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY: 1.89-1.93 @ 24°C (75°F)

STABILITY AND REACTIVITY

STABILITY: Stable

POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: None

STABILITY: Stable

OTHER: Decomposition: Heating above 260-290°C (500-554°F) may form potentially toxic fluorine compounds.

Depolymerization may occur in the presence of some metal oxides at temperatures above 288°C (550°F).

Decomposition occurs at increasing rates as temperature is raised above 355°C (670°F).

TOXICOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

TRANSPORT INFORMATION

DOT

PROPER SHIPPING NAME: Not restricted by DOT

REGULATORY INFORMATION

UNITED STATES

SARA TITLE III

311/312 HAZARD CATEGORIES:

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

OTHER INFORMATION

HMIS RATING

HEALTH:	1
FLAMMABILITY:	0
PHYSICAL HAZARD:	
PERSONAL PROTECTION:	C

MANUFACTURER DISCLAIMER: The data presented is true and correct to the best of our knowledge and belief, however, neither seller nor preparer makes any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.