

**DuPont™ Krytox® 240 Series Greases**

Version 3.0

Revision Date 05/22/2014

Ref. 150000002935

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	:	DuPont™ Krytox® 240 Series Greases
Product Grade/Type	:	240: AA, AB, AC, AD, AY, AZ, AZGR1
MSDS Number	:	150000002935
Product Use	:	Lubricant
Manufacturer	:	DuPont 1007 Market Street Wilmington, DE 19898
Product Information	:	1-800-441-7515 (outside the U.S. 1-302-774-1000)
Medical Emergency	:	1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency	:	CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)
Other information	:	professional use

**SECTION 2. HAZARDS IDENTIFICATION**

## Emergency Overview

The product as such is not hazardous. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Repeated episodes of polymer fume fever may result in persistent lung effects.

## Potential Health Effects

Skin : May cause: slight irritation, Redness.

Eyes : May cause eye irritation. Discomfort, tearing, Blurred vision.

## Carcinogenicity

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.

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

Component	CAS-No.	Concentration
Perfluoropolyether		70 - 80 %
PTFE		20 - 30 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact : Wash with water and soap as a precaution.
- Eye contact : Rinse with plenty of water. If eye irritation persists, consult a specialist.
- Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
- 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.
- General advice : When symptoms persist or in all cases of doubt seek medical advice.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties
- Flash point : Method : Pensky-Martens closed cup - PMCC  
does not flash
- Thermal decomposition : 300 °C (572 °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.



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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.

**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.

Spill Cleanup : Shovel into suitable container for disposal.

Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas.

**SECTION 7. HANDLING AND STORAGE**

Handling (Personnel) : Avoid breathing vapors from overheated material. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.  
General industrial hygiene practice.  
Keep away from food and drink. Keep away from tobacco products. Wash hands and face before breaks and immediately after handling the product.

Storage : No special storage conditions required. Keep container closed to prevent contamination.  
No decomposition if stored and applied as directed.

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

Engineering controls : In the event that the polymer is heated above 300°C (572 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



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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 CHEMICAL PROPERTIES

Form : grease  
 Color : white  
 Odor : none  
 pH : neutral  
 Melting point : 320 °C (608 °F)  
 Specific gravity : 1.89 - 1.93  
 Water solubility : insoluble  
 Viscosity : no data available  
 Viscosity, kinematic : no data available

### SECTION 10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage conditions.  
 Conditions to avoid : Decomposition temperature 300 °C (572 °F)  
 Hazardous decomposition products : Hazardous thermal decomposition products:: Fluorinated compounds

### SECTION 11. TOXICOLOGICAL INFORMATION

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Oral ALD - Approximate Lethal Dose	:	> 11,000 mg/kg , rat
Skin irritation	:	slight irritation, rabbit
Eye irritation	:	slight irritation, rabbit
Sensitisation	:	Animal test did not cause sensitization by skin contact., guinea pig
Further information	:	The toxicological data has been taken from products of similar composition.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity		
Perfluoropolyether		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l
72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) > 1,000 mg/l
72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) > 1,000 mg/l
48 h EC50	:	Daphnia magna (Water flea) 27 mg/l

PTFE : The substance is a polymer and is not expected to produce toxic effects.

Environmental Fate  
 DuPont™ Krytox® 240 Series Greases  
 Biodegradability : Not readily biodegradable.

Additional ecological information : No data is available on the product itself.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal	:	In accordance with local and national regulations.
Environmental Hazards	:	Dispose of container properly. If recycling is not practicable, dispose of in compliance with local regulations.



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**SECTION 14. TRANSPORT INFORMATION**

Not regulated as a hazardous material by DOT.

**SECTION 15. REGULATORY INFORMATION**

TSCA : On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

HMIS

Health : 1  
Flammability : 0  
Reactivity/Physical hazard : 0  
PPE : Personal Protection rating to be supplied by user depending on use conditions.

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 and DuPont CAUTION Regarding Medical Applications.

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Contact person : MSDS Coordinator, DuPont Chemicals and Fluoroproducts, Wilmington, DE 19898, (800) 441-7515



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