

Version 2.3

Revision Date 07/11/2012 Ref. 150000001170

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/PTFE Greases (GPL 20(X) Series)
Product Grade/Type : GPL: 200, 201, 202, 203, 204, 205, 206, 207, 207-500

XHT-S, XHT-SX, XHT-SZ

FG: 20, 22, 24, 26

NRT: 8900, 8904, 8906, PLSS

Sealant: ST-45, ST-63 EG-2000, EG-3000

LVP, LS-23, AUT 2045, UM 04 PGL, TLC Grease

MSDS Number : 150000001170

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

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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 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Perfluoropolyether		55 - 85 %
PTFE		15 - 45 %

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



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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.

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.

Safeguards (Personnel) : Refer to protective measures listed in sections 7 and 8.

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.

Storage : No special storage conditions required. Keep container closed to prevent

contamination.

No decomposition if stored and applied as directed.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : In the event that the polymer is heated above 260 °C (500 °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 CHEMICAL PROPERTIES

Form : grease
Color : white
Odor : none
pH : neutral

Melting point/range : 320 °C (608 °F)

Specific gravity : 1.89 - 1.93 at 24 °C (75 °F)

Water solubility : insoluble

Material Safety Data Sheet



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SECTION 10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage conditions.

Conditions to avoid : Decomposition temperature 260 °C (500 °F)

Hazardous decomposition

products

: Hazardous thermal decomposition products:: Fluorinated compounds

SECTION 11. TOXICOLOGICAL INFORMATION

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Oral ALD : > 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

Perfluoropolyether

Further information : The substance is a polymer and is not expected to produce toxic

effects.

PTFE

Further information : The substance is a polymer and is not expected to produce toxic

effects.

SECTION 12. ECOLOGICAL INFORMATION

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

PTFE

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The substance is a polymer and is not expected to produce toxic

effects.

Environmental Fate

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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.

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

SECTION 16. OTHER INFORMATION

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,



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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.

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Contact person : MSDS Coordinator, DuPont Chemicals and Fluoroproducts, Wilmington, DE

19898, (800) 441-7515

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