

DuPont™ Krytox® Solvents and Cleaners

PRODUCT INFORMATION

DuPont™ Krytox® Solvent for PFPE* Oils and Greases

DuPont™ Krytox® fluorinated oils and greases are resistant to most common organic solvents. Because of this resistance, cleanup of Krytox® lubricants and other PFPE oils and greases requires special solvents that are ineffective on hydrocarbon-based lubricants and preservatives.

Brushing or wiping with rags will significantly accelerate the cleaning process. Parts should be wiped as clean as possible before the use of Krytox® solvent to minimize use. When possible, immersion in an ultrasonic cleaner aids in the cleaning of bearings and other parts with hard to reach recessed areas.

DuPont™ Krytox® HC Plus Cleaner for Hydrocarbon Removal

DuPont™ Krytox® fluorinated oils and greases are completely resistant to most common organic solvents. Because of this, the cleanup of Krytox®, and other PFPE oils and greases, requires special solvents that are usually ineffective on hydrocarbon-based lubricants and preservatives.

Krytox® HC Plus Cleaner is a unique cleaner developed for applications where removing both PFPE and hydrocarbon lubricants simultaneously is desired. It is a carefully balanced mixture of co-solvents that should be effective in cleaning most lubricants and preservatives from parts and housings.

As in all cleaning operations, brushing or wiping with rags will significantly accelerate the cleaning process. Wiping parts as clean as possible prior to the application of Krytox® HC Plus Cleaner will minimize the amount used.

Typical Properties

	Solvent	Cleaner
Appearance	Clear, colorless	Clear, colorless
Viscosity, at 25 °C (77 °F)	0.67	0.6
Specific Gravity, g/mL, 25 °C (77 °F)	1.58	1.28
Flash Point	None	None
Flammable, %	—	LEL 6, UEL 11
Boiling Point, °C (°F)	55 (131)	—
Vapor Pressure, mmHg, 25 °C (77 °F)	226	—
Atmospheric Lifetime (ALT), yr	17.1	—
Global Warming Potential (GWP/100 yr ITH)	1300	—
Ozone Depletion Potential	0.00	—
Solubility of Water, ppm, 25 °C (77 °F), by wt	490	500

*PFPE = Perfluoropolyether



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Other PFPE Solvents

Several fluids have been tested for cleaning DuPont™ Krytox® lubricants. The tested products are listed below, along with contact information for purchasing them. Exposure limits and known hazards are listed.

DuPont™ Vertrel® XF/HFC-43-10 (CF₃CHFCHFCF₂CF₃)

Zero ozone depletion potential

Low greenhouse effect

Boiling point 55 °C (131 °F)

Exposure limits—AEL 200 ppm

Source: DuPont (800) 937-2494

Micro Care (800) 638-0125

Miller Stephenson (800) 992-2424

PF-5060 (C₆F₁₄)

Zero ozone depletion potential

High greenhouse potential

Boiling point 56 °C (133 °F)

Exposure limits—None established

Use adequate ventilation

Source: 3M Industrial Chemicals (800) 541-6752

Technical Marketing Co. (800) 255-5789

HFE-7100

Zero ozone depletion potential

Boiling point 61 °C (142 °F)

Exposure limits—750 ppm

Source: 3M Industrial Chemicals (800) 541-6752

The following tips can help minimize the amount of solvent needed:

- Mechanical agitation and heating increases the cleaning efficiency.
- Use of an ultrasonic cleaner will speed removal of grease trapped in recesses of bearings.
- Removal of grease by wiping with a rag prior to solvent cleaning will reduce the amount of solvent needed. The solvent can be distilled and reclaimed for reuse if desired.

DuPont Performance Lubricants

Extreme conditions. Extreme performance.

For more information or for technical assistance, please call **1-800-424-7502** or contact us at krytox@usa.dupont.com.

For international sales and support contacts, visit us at www.lubricants.dupont.com.

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