

DuPont™ Krytox®

performance lubricants

Solvents for Krytox®

Several fluids have been tested as replacements for Freon® 113 for cleaning Krytox®. They are listed below, along with a contact for purchasing them. No effort has been made to rank cleaning abilities. Also listed are exposure limits and know hazards.

Because of the high costs for these solvents, it is generally a good practice to try to minimize the amount of solvent used. 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.

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

Zero ozone depletion potential

Low greenhouse effect

Boiling point 55°C (131°F)

Exposure limits—AEL 200 ppm, 8- and 12-hr TWA

Source: DuPont (800) 937-2494 (Diane Fisher)

Miller Stephenson (800) 992-2424

Zonyl® PFH (C₆F₁₄)

High greenhouse potential

Boiling point 56°C (133°F)

Exposure limits—None established

Source: DuPont Chemical Solutions (800) 255-4596

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 60°C (140°F)

Exposure limits—750 ppm

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

PFPE Solvent

Zero ozone depletion potential

Boiling point 55°C (131°F)

Exposure limits—200 ppm, 8- and 12-hr TWA

Source: DuPont Performance Lubricants (800) 424-7502

HC Cleaner

Mixed solvent for cleaning Krytox® and hydrocarbons.

Boiling point 32°C (90°F). Flammable; LEL 7.1%, UEL 15.1%, Flash Point None

Exposure limits—500 ppm, 8- and 12-hr TWA

Source: DuPont Performance Lubricants (800) 424-7502

HC Plus Cleaner

Mixed solvent for cleaning Krytox® and hydrocarbons.

Boiling point 38°C (100°F). Flammable; LEL 6%, UEL 11%, Flash Point None

Exposure limits—200 ppm, 8- and 12-hr TWA

Source: DuPont Performance Lubricants (800) 424-7502

Loctite Krytox® RFE Cleaner

Mixed solvent

Flammable; LEL 1.2%, UEL 7.7%

Source: Loctite (800) 243-4874

For more information or technical assistance, call:

(800) 424-7502

or visit us on the Web:

<http://www.krytox.com>

Or call the Krytox® hotline in the **United States** at (800) 424-7502, E-mail: krytox@usa.dupont.com

Canada at 800-263-5924, E-mail: products@can.dupont.com

Europe, Mideast, and Africa at +32.3.543.1267, E-mail: lubricants@lux.dupont.com

Asia/Pacific—including India at 886-2-2514-4434, E-mail: krytox.lubricants@twm.dupont.com

Mexico and Central America at 011-52-55-5722-1150, E-mail: ceac@mex.dupont.com

South America—all Countries at 55-11-4166-8601, E-mail: produtos.brasil@bra.dupont.com

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