

TriboSys™ Fluorinated Synthetic Lubricant

Description:

TriboSys™ Thin Film Lube contains Krytox™ GPL oils, which are packaged into convenient fourteen-ounce aerosol (MS-110XN). This packaging provides an easy solution for lubricating hard to reach places with pinpoint accuracy. The low surface tension of the solvent carries the oil into tight crevices. Also, available in non-aerosol packaging (MS-110XNB), for larger volume applications, which can be applied by spraying, dipping, or wiping. Also available with Krytox™ grease.

The PFPE Synthetic Oils, in addition to having a wide operating temperature range (-60°F to 550°F), are chemically inert, non-migrating, insoluble in hydrocarbons, water, steam and solvents. They have low vapor pressure and low outgassing characteristics. They are oxygen compatible, which makes it safe for oxygen service.

Advantages:

- Evaporates quickly
- Compatible with most plastics, elastomers, and metals
- Contains no silicone
- Chemical and thermal stability
- Nonflammable
- Non-ozone depleting chemicals
- RoHS2 and RoHS3 compliant
- VOC Content Exempt

Typical Properties of the Oils

MS-1103N/1103NB

Temperature Range	-60°C/-76°F to 154°C /310°F
Viscosity Range	
@ 20°C/68°F	82
@ 100°C/212°F	5
ISO Grade of Base Oil	32
Oil Viscosity Index	92

MS-1104N/1104NB

Temperature Range	-51°C/-60°F to 179°C /355°F
Viscosity Range	
@ 20°C/68°F	177
@ 100°C/212°F	8.4
ISO Grade of Base Oil	68
Oil Viscosity Index	111

MS-1105N/1105NB

Temperature Range	-36°C/-33°F to 204°C /400°F
Viscosity Range	
@ 20°C/68°F	522
@ 100°C/212°F	18
ISO Grade of Base Oil	150
Oil Viscosity Index	124

MS-1106N/1106NB

Temperature Range	-36°C/-33°F to 260°C /500°F
Viscosity Range	
@ 20°C/68°F	822
@ 100°C/212°F	25
ISO Grade of Base Oil	220
Oil Viscosity Index	134

MS-1107N/1107NB

Temperature Range	-30°C/-22°F to 288°C /550°F
Viscosity Range	
@ 20°C/68°F	1535
@ 100°C/212°F	42
ISO Grade of Base Oil	460
Oil Viscosity Index	145

Plastic Compatibility of the Solvents:

(Immersion: 15 Minutes at Room Temperature)

Polyethylene	Acetal
Polyphenylene Oxide, PPO	Epoxy
Polyester, PET, PBT	Liquid Crystal Polymer
Polyimide, PI, PEI, PAI	Phenolic
Polyetherketone, PEK	PTFE, ETFE
Polyaryletherketone, PEEK	CPVC, PVC
Polyarylsulfone	Ionomer
Polypropylene	Polysulfone
Polyphenylene Sulfide, PPS	Polystyrene
ABS	

Note: Test for compatibility before use.



Product Information

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Elastomer Compatibility of the Solvents:

(Immersion: 15 minutes at Room Temperature)

Buna N, NBR, Nitrile	Buna S, SBR, GRS
Butyl Rubber, IIR	Chlorosulfonated PE
EPM, EPDM	Polysulfide
Natural Rubber, Isoprene	Neoprene
Urethane	Viton™ B
Silicone	

Note: Test for compatibility before use.

Metal Compatibility of the Solvents:

(2 weeks at 212°F/100°C in sealed tubes)

Zinc ¹	Aluminum
Stainless Steel	Copper ¹
Brass ¹	

¹Slight discoloration with water present.

Note: Test for compatibility before use.

Safety Data Sheets (SDSs) are available upon request.

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LIMITATION OF LIABILITY AND REMEDIES: Manufacturer warrants that, at the time of shipment by the Manufacturer, this product is free from defect in material and manufacture. If the product is proved to be defective, the exclusive remedy, at Manufacturer's option, shall be refund of the purchase price or replacement of the defective product, provided written notice of the defect is given no later than one year after the date of shipment by the Manufacturer. Manufacturer shall not otherwise be liable for loss or damages whether direct, indirect, incidental or consequential, regardless of the legal theory asserted, including negligence and strict liability. **Manufacturer expressly disclaims all implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.**

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For technical information call 800.992.2424 or 203.743.4447

For product sales: CT 800.442.3424, CA 800.771.8161

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