



Product Information

www.miller-stephenson.com

MS-780 / 782 Vertrel™ XF Cleaning Agent

Description:

MS-780 (Aerosol) and MS-782 (Bulk Liquid) are a hydrofluorocarbon fluid which is ideally suited for medical applications involving cleaning and rinsing, water dispersion, particulate removal, fluorocarbon lubricant cleaning, and oxygen service cleaning. Unique physical properties include high density, low viscosity and low surface tension, making it ideal for cleaning light oils and particulate matter from metal and non-metal parts.

Advantages:

- Evaporates quickly
- Leaves no residue
- Nonflammable
- Compatible with most plastics, elastomers and metals
- Chemical and thermal stability
- Non-ozone depleting
- VOC exempt
- NSN 6850-01-460-4914 (Aerosol)
- RoHS Compliant

Properties of the Solvent:

(Immersion: 15 Minutes at Room Temperature)

Liquid density.....	1.58 g/cc
Boiling point.....	130°F/55°C
Vapor pressure.....	226 mmHg
Surface tension.....	14.1 dyn/cm
Viscosity.....	0.67 cPs
Heat of vaporization.....	31.0 cal/g at boiling pt.
Specific heat at 68°F/20°C.....	1.13 kJ/kg°C

Plastic Compatibility:

(Immersion: 15 Minutes at Room Temperature)

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

Note: Test for compatibility before use.

Elastomer Compatibility:

(Immersion: 15 minutes at Room Temperature)

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

Note: Test for compatibility before use.

Metal Compatibility:

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

- Zinc¹
- Stainless Steel
- Brass¹
- Aluminum
- Copper¹

Vertrel™ XF is not compatible with strong bases; therefore, contact with highly basic process materials is not recommended.

¹Slight discoloration with water present.

Note: Test for compatibility before use.

Safety Data Sheets (SDS) are available upon request.

Vertrel™ and Viton™ are trademarks of The Chemours Company FC, LLC.

1342-9M

The recommendation made here with and the information set forth with respect to the performance or use of our products are believed, but not warranted to be accurate. The products discussed are sold without warranty, as to fitness or performance, express or implied and upon condition that purchasers shall make their own test to determine suitability of such products for their particular purposes. Likewise, statements concerning the possible uses of our products are not intended as recommendations to use our products in the infringement of any patent.

For technical information call 800.992.2424 or 203.743.4447

For product sales: CT 800.442.3424, CA 800.771.8161, IL 800.447.4866, Canada 800.307.2199

www.miller-stephenson.com

Miller-Stephenson logo is a trademark of Miller-Stephenson Chemical Co. Inc.