



Product Information

www.miller-stephenson.com

MS-750 / 752 Vertrel™ MCA Cleaning Agent

Description

MS-750 and MS-752 Vertrel™ MCA Cleaning Agent contains Vertrel™ XF with trans-1, 2-dichloroethylene. This product is used for precision and specialty applications in many industries such as Electronics, Military, Aerospace, and Communications. It replaces HCFC 225 in many applications. It is ideally suited for removing mineral oil, vacuum oil, wax, heavy grease, cutting oil, stamping oil, hydraulic oil, and gear oil. Vertrel™ MCA is listed by the Compressed Gas Association Inc. in the Directory of Cleaning Agents for Oxygen Service.

ADVANTAGES

- Evaporates quickly
- Leaves no residue
- Nonflammable
- Compatible with most plastics, elastomers and metals
- Non ozone depleting
- RoHS compliant

MS-752 (bulk): For optimum cleaning effectiveness, a vapor degreaser is suggested. Modern vapor containment technology is recommended for both batch and in-line equipment. These systems have higher freeboard and a secondary set of low temperature -20°F (-29°C) condenser coils to greatly reduce vapor losses.

PHYSICAL PROPERTIES

(Measured @ 77°F, unless otherwise noted)

Boiling Point.....	102°F/39°C
Liquid Density.....	1.35 g/cc
Vapor Pressure.....	486 mmHg
Surface tension.....	15.5 dyn/cm
Viscosity.....	0.49 cPs
VOC Content	
Aerosol.....	485 gms/l
Bulk.....	536 gms/l

PLASTIC COMPATIBILITY

(Immersion: 15 Minutes at Room Temperature)

Polyethylene	Acetal
Polyvinylchloride	Epoxy
Polyester, PET,PBT	Liquid Crystal Polymer
Polyimide, PI,PEI,PAI	Phenolic
Polyetherketone, PEK	PTFE, ETFE
Polyaryletherketone, PEEK	Chlorinated PVC
Polyarylsulfone, PAS	Ionomer
Polypropylene	Polysulfone, PSO
Polyphenylene Sulfide, PPS	

Note: MS-750 and MS-752 can safely clean most plastics when typical cleaning conditions are kept short. ABS and polycarbonates, if under stress, may show slight cracking or crazing damage. Test for compatibility before use.

ELASTOMER COMPATIBILITY

(Immersion: 1 Week at 39°C)

Polysulfide	EPDM
Chlorosulfonated PE	Butyl Rubber ¹
Neoprene ¹	

¹Swelling, but with low extractables. Elastomer swelling and shrinking will, in most cases, revert to within a few percent of original size after drying. Test for compatibility before use.

METAL COMPATIBILITY

MS-750 and MS-752 was found compatible with aluminum, copper and iron with and without oil present, after exposure for 2 weeks at (120°C/248°F) in sealed tubes. Contact with highly basic process materials, pH 10 or above is not recommended.

Note: Test for compatibility before use.

Safety Data Sheets (SDS) are available upon request.

Vertrel™ is a trademark of The Chemours Company FC, LLC

1293-12K

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.