



# Product Information

www.miller-stephenson.com

## MS-750L Vertrel™ MCA Cleaning Agent

### Description

MS-750L Vertrel™ MCA Cleaning Agent has a low global warming propellant. It 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

### PHYSICAL PROPERTIES

(Measured @ 77°F, unless otherwise noted)

BoilingPoint.....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

### 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-750L 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 <sup>1</sup>
Neoprene <sup>1</sup>	

<sup>1</sup>Swelling, 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-750L 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

**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.**