



Product Information

www.miller-stephenson.com

MS-770 / 772 Vertrel™ MCA Plus Cleaning Agent

Description

Vertrel™ MCA Plus is an azeotrope like blend of Vertrel™ XF with trans-1,2-dichloroethylene and cyclopentane. Its enhanced solvency power makes it particularly effective in difficult soil situations such as the precision cleaning of metals, removal of heavy oil, grease, wax, vacuum fluids and other difficult soils. It replaces nPB and HCFC-225 in many applications. Ideal for use in vapor degreasing equipment.

ADVANTAGES

- Evaporates quickly.
- Low surface tension.
- Leaves no residue.
- Nonflammable.
- Compatible with most plastics, elastomers and metals.
- Non-ozone depleting.
- RoHS Compliant

MS-772 (bulk): Vapor degreasing application: Modern vapor containment technology is recommended for both batch and in-line equipment. These systems have a 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..... | 100°F/38°C |
| Liquid Density..... | 1.33 g/cc |
| Vapor Pressure..... | 460 mmHg |
| Surface tension..... | 16.1 dyn/cm |
| Viscosity..... | 0.49 cPs |
| VOC Content | |
| Aerosol..... | 532 gms / l |
| Bulk..... | 665 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-770 and MS-772 can safely clean most plastics when typical cleaning conditions are kept short. Test for compatibility before use. They are incompatible with polystyrene, polyphenylene oxide (PPO), ABS, cellulosic and acrylic.

ELASTOMER COMPATIBILITY

(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™ |
| Silicone | |

METAL COMPATIBILITY

MS-770 and MS-772 were found compatible with aluminum, copper, zinc, carbon steel, and stainless steel. Contact with highly basic process materials, pH 10 or above is not recommended.

Note: Test for compatibility below use.

Safety data sheets (SDS) are available upon request.

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