



Vertrel™ SMT Heavy Duty Solvent Flux Remover

MS-755 (Aerosol)

MS-755M (Aerosol)

MS-757 (Bulk Liquid)

MS-755 and MS-757 Vertrel™ SMT HD Solvent Flux Remover contains Vertrel™ XF hydrofluorocarbon with trans-1,2-dichloroethylene and methanol with a stabilizer. MS-755 and MS-757 have high solvency power, which means increased aggressiveness, for cleaning ionic salts and organic flux residues from electronic assemblies. It is also effective in removing heavy industrial soils, such as mineral oil, vacuum oil, wax and heavy grease. It replaces n-PB and HCFC 225 in many applications.

ADVANTAGES:

- Evaporates quickly.
- Leaves no residue.
- Nonflammable.
- Compatible with most plastics, elastomers and metals.
- Non ozone depleting.
- NSN 6850-01-521-5719 (Aerosol)
- RoHS compliant

Aerosol application: It is excellent for spot removal for field service, production and prototype work.

Bulk application: It is recommended for use in vapor degreasing equipment. 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.....	$99^{\circ}\text{F}/37^{\circ}\text{C}$
Liquid Density.....	1.37 g/cc
Vapor Pressure.....	470 mmHg
Surface tension.....	15.5 dyn/cm
Viscosity.....	0.47 cPs
VOC Content	
Aerosol.....	514 gms/l
Bulk.....	645 gms/l

Plastic Compatibility:

(Immersion: 15 Minutes at Room Temperature)

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

Note: MS-755 and MS-757 can safely clean most plastics when typical cleaning conditions are kept short. Acrylic, ABS and polycarbonate, 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-755 and MS-757 were found compatible with aluminum, copper and iron with and without rosin flux present, after exposure for 2 weeks at ($248^{\circ}\text{F}/120^{\circ}\text{C}$) in sealed tubes. Test for compatibility before use.

Large amounts of water may extract alcohol and affect cleaning performance. Therefore, to reduce alcohol loss, use desiccant dryers rather than water separators in the condensate return line.

Contact with highly basic process materials, pH 10 or above is not recommended.

Safety Data Sheets (SDS) are available upon request.

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