

## MS-755 / 757 Vertrel™ SMT Heavy Duty Flux Remover

### Description:

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.
- Compatible with most plastics, elastomers, and metals.
- Nonflammable; Non-ozone depleting.
- NSN 6850-01-521-5719 (Aerosol)
- RoHS2 and RoHS3 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 for MS-757:

(Measured @ 77°F, unless otherwise noted)

Boiling Point	99°F/37°C
Liquid Density	1.37 g/cc @ 77°F/25°C
Vapor Pressure	485 mmHg @ 77°F/25°C
Surface tension	15.5 dyn/cm
Viscosity	0.47 cPs

VOC Content Aerosol (MS-755) 514 gms/l  
VOC Content Bulk (MS-757) 645 gms/l

### Plastic Compatibility:

(Immersion: 15 Minutes at Room Temperature)

- Acetal
- Polypropylene
- PEK, PEEK
- Polyimides
- PTFE
- Polyethylene
- Polyester, PBT, PET
- Epoxy-Phenolic
- Polyvinylchloride
- Liq. Crystal Polymer

**Note:** MS-755 and MS-757 can safely clean most plastics when typical cleaning conditions are kept short. Acrylic, ABS, and polystyrene may be incompatible. Test for compatibility before use.

### Elastomer Compatibility:

(Immersion: 1 Week at 39°C)

- Butyl Rubber<sup>1</sup>
- Polysulfide
- Buna S<sup>1 & 2</sup>
- Neoprene<sup>1</sup>
- Chlorosulfonated PE
- Natural Rubber<sup>2</sup>
- EPDM
- Buna N<sup>2</sup>
- Urethane<sup>2</sup>
- Silicone<sup>2</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.

<sup>2</sup>Requires additional testing.

### 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°F/120°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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