miller-stephenson

Product Information

www.miller-stephenson.com

MS-752U
Ultrapure Specialty Fluid

Description:

Cleaning oxygen service parts is more critical than most other cleaning applications. Particles or residue left behind may hinder the operation of valves, sensors, or controls, causing excessive friction that may lead to potential ignition or explosion. MS-752U is an Ultra Pure grade of a Vertrel™ Cleaning Agent. Purified by Miller-Stephenson's proprietary processes, our MS-752U contains sub-ppm levels of NVR. Optimized for use as a final rinse of parts in ultra-critical application. This product also can be used for precision and specialty applications in many industries such as Electronics, Military, Aerospace, and Communications. It is ideally suited for removing mineral oil, vacuum oil, wax, heavy grease, cutting oil, stamping oil, hydraulic oil, and gear oil.

Advantages:

- Evaporates quickly; Leaves no residue
- < 1.0 ppm particulate and NVR levels
- Utilized by major gas and aerospace manufacturers
- Nonflammable, Non-ozone depleting
- Compatible with most plastics, elastomers and metals
- RoHS compliant

Properties of Solvent:

Boiling Point……...102˚F/39˚C
Liquid Density……...1.41 g/cc
Vapor Pressure……464 mmHg
Surface Tension……..…15.2 dyn/cm
Viscosity……0.49 cPs

Plastic Compatibility:

(Immersion: 15 minutes at Room Temperature)

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

NOTE: Acrylic, ABS, and polycarbonate, if under stress, may show slight cracking or crazing damage. Test for compatibility before use.

Elastomer Compatibility:

(Immersion: 15 minutes at Room Temperature)

- Butyl Rubber
- Buna S
- Chlorosulfonated PE
- Natural Rubber
- Buna N
- Silicone
- Polysulfide
- Neoprene
- Viton™
- EPDM
- Urethane

NOTE: Elastomer swelling and shrinking will, in most cases, revert to within a few percent of original size after air drying. Swell, shrinkage, and extractables are strongly affected by the compounding agents, plasticizers, and curing used in the manufacture of the elastomers. Test for compatibility before use.

Metal Compatibility:

(Immersion: 2 weeks at 248˚F/120˚C)

- Aluminum
- Copper
- Iron

Purity Specifications:

Properties	Unit	Specifications
Vertrel™ XF	wt%	62.0 ± 1.0
Trans-1,2-dichloroethylene	wt%	38.0 ± 1.0
Specific Gravity	g/mL	1.41
pH		6.5 – 7.2
Total Purity	wt%	99.999 min
Non-Volatile Residue	ppm, wt	≤1.0 ppm
Particle Count	mg/L	0.00
Moisture	ppm wt	75 ppm max
Acidity (as HCl)	ppm wt	1.0 max
Appearance		Clear, colorless

Safety Data Sheet (SDS) is available upon request.

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For technical information call 800.992.2424 or 203.743.4447
For product sales: CT 800.442.3424, CA 800.771.8161, IL 800.447.4866, Canada 800.307.2199
www.miller-stephenson.com