



Product Information

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MS-255 / 255M / 257 Surface PrepClean™

Description

Surface PrepClean™ is a strong cleaning agent designed to clean surfaces prior to applying fluorinated lubricants like Krytox™ lubricants. New, unlubricated components and bearings are typically coated with hydrocarbon-based rust preventative oils to prevent corrosion during storage. Prior to lubricating components and bearings with fluorinated lubricants, it is important to remove these preservatives, because standard rust preventative materials will lower adhesion and reduce the effectiveness of fluorinated oils and greases.

PrepClean™ can also be used to clean surfaces like PCBs, prior to applying Conformal Coating like our Silicone MS-460H/MS-462H, Acrylic MS-465C/MS-467C, MS-475C/MS-477C and Urethane MS-470C/MS-472C. Also great for cleaning surfaces prior to applying adhesives. Is effective in removing difficult soils like heavy oils, grease, wax and other contaminants. It is an excellent replacement for nPB, HCFC-225, 1,1,1-trichloroethane (1,1,1-TCA) and hydrochlorofluorocarbons (HCFCs) in many applications. MS-257 can be used in vapor degreasing equipment.

Advantages

- Designed to remove a wide range of soils
- Evaporates quickly
- Low surface tension
- Leaves no residue
- Nonflammable
- Compatible with most plastics, elastomers and metals
- Chemically and thermally stable
- Non ozone-depleting
- RoHS Compliant

MS-257 (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
Ozone Depletion.....	0.00
VOC Content (Aerosol)	532 gms/l
(Bulk Liquid)	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: It is 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-255 and MS-257 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 before use.

Safety Data Sheets (SDS) are available upon request.

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