



SolVantage[®] Ionic

Vapor Degreasing Solvent- Ionic Contamination Removal

PRODUCT BENEFITS AND PROPERTIES

SolVantage[®] Ionic is a precision vapor degreasing solvent mixture of 1,2 trans-dichloroethylene, proprietary fluorinated solvents and isopropyl alcohol. SolVantage Ionic contains no HFC's. This solvent blend is perfectly suited for vapor degreasing in modern equipment and general cleaning for the removal of polar and non-polar soils. The Ionic is well suited to remove ionic contamination in a variety of electronic applications as well as water soluble cutting oil residues. Ionic can reliably replace other cleaning solvents such as n-propyl bromide (nPB), trichloroethylene (TCE), 3M Novec[®], and Chemours Vertrel[®].

Benefits

- High Solvency
- No Surface Residues
- Low Surface Tension
- Polar and Non Polar Soil Removal
- Non-Flammable, No Flash Point
- No Drop Test Required

Environmental Properties

- Zero ODP
- Low GWP- 87
- US EPA SNAP Approved
- No SARA Title III Reporting
- Not a Hazardous Air Pollutant (HAP)
- Not regulated under NESHAP

MATERIAL COMPATIBILITY

SolVantage Ionic is non-corrosive and non-staining to a wide variety of substrates. Some selected categories of materials compatible with SolVantage Ionic include*:

Most metals typically encountered during cleaning and vapor degreasing of precision parts, electronics, etc. including Copper, Stainless Steel, Aluminum, Titanium and other metals commonly used in precision parts manufacturing.

Plastics and Elastomers: Polyethylene EPDM, Silicone, Acetal, Polyester, Epoxy, Polyphenyle Sulfide (PPS), PTFE, Teflon, Polyetherketone (PEK), Polysulfone Polyaryletherketone (PEEK), Phenolic Polyarylsulfone (PAS) Ionomer

INCOMPATIBLE MATERIALS: Polystyrene, Epichlorohydrin, Polyphenylene Oxide (PPO), Natural Rubbers, Polycarbonate, Acrylic, ABS, BUNA

SOILS

SolVantage Ionic removes a wide range of soils. Some categories of soils that can be removed with SolVantage Ionic include*:

Buffing compounds • Corrosion Inhibiting Compounds (CICs) • Greases • Hydraulic Fluids • Oils (Drawing, Silicone) • Particulate • Metalworking Fluids: Water Soluble, Straight Oil and Synthetic, Water Soluble • Krytox • FPI Fluid • Flux/Paste Residues • Ionic Contamination

**Material compatibility should always be confirmed via testing with specific contaminants under specific cleaning conditions.*

USE RECOMMENDATIONS

System	Open Top Vapor Degreasing
Boiling Point	109°F (43C)
Cleaning Duration	1-30 minutes: typical parts are clean in 3-10 minutes

TYPICAL CHEMICAL CHARACTERISTICS

Physical Form	Liquid
Color	Colorless
Odor/Fragrance	Slight
Viscosity	0.41 cPs*
Specific Gravity	1.255 g/mL @ 25°C
Vapor Pressure	292 mmHg @ 20°C†
Heat Capacity	0.270cal/g @ 20°C*
KB Value	91
Flash Point per ASTM D93 and ASTM D56	None
Vapor Flammability Limit in Air, VOL %	LEL – 6.9%+ UEL – 17.7%+
V.O.C.	1047.4 g/l
Freeze/Thaw	Keep from Freezing

*Calculated from 1,2 trans-dichloroethylene

+ Based on SolVantage Flush

SHIPPING, STORAGE, DISPOSAL & PREVENTION

Please refer to the Safety Data Sheet for shipping, storage, disposal and prevention guidance.

AVAILABILITY

- 5 Gal (19L)- 50 Lbs (23KG)
- 55 Gal (208L)- 551 Lbs (250KG)

Product #: 304047