



SolVantage[®] Flush

VAPOR DEGREASING SOLVENT

PRODUCT BENEFITS AND PROPERTIES

SolVantage Flush is a precision vapor degreasing solvent mixture of 1,2 trans-dichloroethylene and proprietary fluorinated solvents, it does not contain any HFC. This solvent blend is perfectly suited for vapor degreasing in modern equipment and general cleaning. It's solvency for hydrocarbon soils is exceptional when used in vapor, vapor/spray or immersion vapor degreasing systems. With a KB value of 94, it can reliably replace other cleaning solvents such as n-propyl bromide (nPB), trichloroethylene (TCE), 3M Novec[®], and Chemours Vertrel[®]. SolVantage Flush can also be used for debinding 3D metal printed components prior to sintering or as a carrier fluid for deposition of materials such as silicone and other lubricants.

Benefits

- High Solvency
- No Surface Residues
- Low Surface Tension
- Low Viscosity
- 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

TEST COMPLIANCE

- **ARP 1755:** Cat 12
- **ASTM F483:** Total immersion Corrosion
- **ASTM F502:** Painted Aircraft Surfaces
- **ASTM F519:** Hydrogen Embrittlement
- **ASTM F945-12:** Titanium Stress
- **ASTM F1110:** Sandwich Corrosion
- **ASTM F2111-01A:** IGA/EGP

MATERIAL COMPATIBILITY

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

Compatible Metals: Copper • Stainless Steel • Aluminum • Titanium • Other metals commonly used in precision parts manufacturing

Compatible Plastics/Polymers: Polyethylene • Polyvinylchloride (PVC, CPVC) • Polyester (PET, BET) • Polyimide (PI, PEI, PAI) • Polyetherketone (PEK) • Polyaryletherketone (PEEK) • Polyarylsulfone (PAS) • Polyphenylene Sulfide (PPS) • Polypropylene • Acetal • Epoxy • PTFE, Teflon • Polysulfone (PSO) • Phenolic • Ionomer • EPDM • Most polymers and elastomers typically encountered during cleaning and vapor degreasing of precision parts, electronics, etc.

INCOMPATIBLE MATERIALS: Polystyrene • Polyphenylene Oxide (PPO) • Polycarbonate • ABS • Epichlorohydrin • Silicone • Natural Rubber • Acrylic

SOILS

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

Buffing compounds • Corrosion Inhibiting Compounds (CICs) • Greases • Hydraulic Fluids • Oils (Drawing, Silicone) • Particulate • Metalworking Fluids: Water Soluble, Straight Oil and Synthetic • Krytox • FPI Fluids

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

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USE RECOMMENDATIONS

System	Open Top Vacuum Vapor Degreaser
Boiling Point	113.9°F (45.5°C)
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
Weight	10.89 lb/gal (1.305 g/ml)
Vapor Pressure	292 torr
Heat Capacity	0.297cal/g @20°C
KB Value	94
Flash Point per ASTM D93 and ASTM D56	None
Vapor Flammability Limit in Air, VOL %	LEL - 5.7% UEL - 19%
Surface Tension	16.4 mN/m
Heat of Vaporization	163 kJ/kg*K
Shelf Life	36 Months

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)



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product details

Product No. 304044