



# SolVantage<sup>®</sup> Flush

## Vapor Degreasing Solvent

### PRODUCT BENEFITS AND PROPERTIES

SolVantage<sup>®</sup> 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<sup>®</sup>, and Chemours Vertrel<sup>®</sup>. 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

### INDUSTRY APPROVALS & CONFORMANCE

- **ASTM F 945-12:** Titanium Stress
- **ASTM F 519:** Hydrogen Embrittlement
- **ASTM F2111-01A:** IGA/EGP
- **ARP 1755:** Cat 12

### 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\*:

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

**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 Fluid

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

### 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%
V.O.C.	1115 g/l
Freeze/Thaw	Keep from Freezing

## SHIPPING/STORAGE DISPOSAL/PREVENTION

**Shipping:** Non-hazardous for shipping by ground, sea, or air in all package sizes.

**Storage:** Store in well-ventilated areas at temperatures between 32-100F.

**Disposal:** Dispose of waste and residues in accordance with local authority requirements. Please recycle container.

**Prevention:** Wear safety glasses with side shields (or goggles). Wash thoroughly after handling.

## AVAILABILITY

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

**Product #: 304044**