



# SolVantage<sup>®</sup> Vapor Solv

## Vapor Degreasing Solvent

A non-flammable, high performance, precision cleaning solvent designed for vapor degreasing. An azeotropic, fluorinated solvent degreaser, drop-in replacement for n-propyl bromide (nPB), TCE and other vapor degreasing solvents. Safe on virtually all metals. SolVantage Vapor Solv is non-corrosive and will not stain metals. Can also be used as a carrier fluid for deposition of materials such as silicone or other oils, as well as in flush or spray devices.

### Benefits

- Excellent Solvency
- Low Surface Tension
- Non-Flammable, No Flash Point
- No Drop Test Required
- Thermally Stable

### Environmental Properties

- Zero ODP
- Low GWP
- US EPA SNAP Approved
- Low VOC Content
- Not a Hazardous Air Pollutant (HAP)

## Performance Properties

### Substrates

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

- Most polymers and elastomers typically encountered during cleaning and vapor degreasing of precision parts, electronics, etc.
- Copper, Stainless Steel, Aluminum, Titanium and every other metal 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 Vapor Solv removes a wide range of organic soils. Some categories of soils that can be removed with SolVantage Vapor Solv include\*:

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

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

### Approvals:

- Boeing BAC 5408 (PSD 6-77)
- Lockheed Martin EMAP G41.149



Courtesy of Baron Blakeslee



# SolVantage<sup>®</sup> Vapor Solv

## Typical Chemical Characteristics

Physical Form	Liquid
Color	Colorless
Fragrance	Slight
Viscosity	0.41 cPs
Weight	10.48 lb/gal (1.255 g/ml)
Vapor Pressure	223.4 torr
Surface Tension	14.1 dynes
Flash Point per ASTM D93 and ASTM D56	None
Vapor Flammability Limit in Air, VOL %	LEL – 6% UEL – 10%
Calculated V.O.C	42.4%
Freeze/Thaw	Keep from Freezing

## Use Recommendations

System	Open Top and Vacuum Vapor Degreasers
Boiling Point	94°F (34.4°C)
Cleaning Duration	1-30 minutes: typical parts are clean in 3-10 minutes

## Solvent Recovery

SolVantage Vapor Solv is readily recoverable by distillation equipment such as a vapor degreaser or still. The percentages of the different compounds within it will stay within tolerance ranges through regular use and distillation processes. The presence of contaminants may alter the characteristics of the solvent during recovery (i.e. boiling point). Solvent recovery processes should be monitored to ensure the most efficient recovery possible.



Courtesy of  
Baron Blakeslee

## Conformance

- Pratt & Whitney PWA 36604 Rev E Hot Corrosion
- GE Aircraft Engine Hot Corrosion
- ARP 1755 B Category 12, Stock Loss
- ASTM F211, Intergranular Attack or End Grain Pitting
- ASTM F519, Hydrogen Embrittlement
- ASTM 954; AMS 4911 and 4916, Stress Corrosion of Titanium Alloys
- Elemental Analysis
- Lockheed Martin: EMAP G41.149

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

**Storage:** Store in well-ventilated areas at temperatures between 32-125°F (0-52°C).

**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.

**Product Number: 304035**

### Availability:

- 5 Gal (19L) – 50 lbs (23 kg)
- 55 Gal (208L) – 551 lbs (250 kg)

BHC offers a full line of Burlin-branded industrial chemicals for industries such as Space & Aerospace, Automotive, Precision Metal, Medical and Optics.



317.923.3211  
WWW.BHCINC.COM  
ISO 9001:2015 CERTIFIED  
Made in the USA



*Burlin and SolVantage are registered trademarks of BHC, Inc.*

Authorized Representative: