



Technical Data Sheet

LENIUM™ MVS1 Vapor Degreasing Fluid

Product Description

LENIUM MVS1 is a non-flammable, non-hazardous azeotropic solution that does not contain any ingredients that qualify as a PFAS in the USA or EU. It is suited for cleaning metals and circuit boards, offering exceptional compatibility with a wide range of metal alloys and high-density polymer substrates. LENIUM MVS1 is designed to replace nPB, TCE and other hazardous solvents in open-top vapor and vacuum degreasing equipment. It may also be used for manual cleaning operations that require a fast evaporating, non-flammable solution. The specialized solvent blend has excellent solvency power for a wide range of soils, including oils, greases, waxes, and hydraulic fluids.

When to Use

1. When replacing TCE, PERC, nPB or other regulated (HAP, SVHC) solutions with high EHS impact.
2. When removing a combination of straight hydrocarbon soils and/or water-based soils.
3. When removing liquid or solder paste flux residues.
4. When a manual cleaner with fast evaporation and non-flammability is required.

Features and Benefits

- PFAS Free
- Low Global Warming Potential
- Zero Ozone Depletion Potential
- Does Not Require Additional Stabilizers
- Parts Do Not Exit Equipment Hot
- Excellent Stability
- Low Surface Tension
- Non-flammable
- Good Compatibility with Metallics, Plastics, & Elastomers

Properties

Appearance	Clear Liquid
Boiling Point	114 °F (45.6°C)
Flash Point	None
Specific Gravity (25 °C)	1.29 g/mL
Vapor Pressure (20 °C)	351 mm Hg
Kauri-Butanol (KB) Value	115
Kinematic Viscosity (25 °C)	0.4 cSt

Soils Removed

- Adhesive and Sealant Residues
- Cutting Fluids
- Drawing Fluids
- Fingerprints
- Fluorinated Fluids
- RMA, No-Clean Fluid Residues
- Silicone Oils
- Water-Soluble Oils



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Equipment

Suitable for use in a variety of commercially available cleaning equipment including open-top and vacuum vapor degreasers.

Process

Manual Cleaning

Apply at full concentration to the desired substrate by brush, pad or cloth.

Vapor Degreasing

Add at full concentration to the tank reservoir(s). See Vapor Degreasing Operating Manual for more information.

Controller Settings

Liquid Temperature Controller Sensor (LTC)	124 °F (51 °C)
High Temperature Controller (HTC)	129 °F (54 °C)
Safety Vapor Controller (SVC)	104 °F (40 °C)
Vapor Up Temperature (VU)	104 °F (40 °C)
Primary Refrigeration Temperature	35-40 °F (2-5 °C)

Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	<1
National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not regulated
Superfund Amendments and Reauthorization Act (SARA)	Not regulated
Resource Conservation and Recovery Act (RCRA)	Not regulated

Disposal/Safety

Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

Safety

Please see Safety Data Sheet for further information.

Packaging

Available in 50 lb (23 kg) pails and 500 lb (227 kg) drums.

Vantage Specialties, Inc.

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Shelf Life

36 months when stored in original, sealed container above 50 °F (10 °C).

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