



Technical Data Sheet

LENIUM™ HT Vapor Degreasing Fluid

Product Description

LENIUM HT is a non-flammable, azeotropic cleaning solution designed to replace nPB, TCE and other hazardous solvents in open-top vapor and vacuum degreasing equipment.

LENIUM HT is compatible with most polymeric substrates, elastomers, ceramics and is safe for use with ferrous and non-ferrous alloys.

When to Use

In applications that require removal of organic, non-polar soils.

Features and Benefits

- Very Low Global Warming Potential
- Zero Ozone Depletion Potential
- No Hazardous Air Pollutants (HAPS)
- Does Not Require Acid Acceptance Testing
- Parts Do Not Exit Equipment Hot
- Excellent Stability
- Good Compatibility with Metallics, Plastics, & Elastomers
- Low Surface Tension

Properties

Boiling Point	117 °F (47 °C)
Flash Point	None
Specific Gravity (25 °C)	1.28
Viscosity (25 °C)	0.42 cps
Vapor Pressure (20 °C)	360 mm Hg
Vapor Density (20 °C)	>1
Specific Heat (25 °C)	0.31
Heat of Vaporization	47.8 cal/g
Flammability Limits (Vol %)	7.0-15.6

Soils Removed

- Adhesive and Sealant Residues
- Buffing & Lapping Compounds
- Cutting Fluids
- Drawing Fluids
- Fingerprints
- Fluorinated Fluids
- Greases
- Hydraulic Fluids
- RMA Fluid Residues
- Silicone Oils



Technical Data Sheet

LENIUM™ HT Vapor Degreasing Fluid

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)	127 °F (53 °C)
High Temperature Controller (HTC)	132 °F (56 °C)
Safety Vapor Controller (SVC)	107 °F (42 °C)
Vapor Up Temperature (VU)	107 °F (42 °C)
Primary Refrigeration Temperature	35-40 °F (2-5 °C)

Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	<10
Volatile Organic Compound (VOC)	1178 g/l
Hazardous Air Pollutant (HAP)	No
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.

Approvals/Testing

Testing *pending*

Conforms to **Boeing** D6-17487

Conforms to **Douglas** CSD #1 (*except: Stress Cracking on Acrylics*)

Hot Corrosion Testing

SAE ARP 1755B



Technical Data Sheet

LENIUM™ HT Vapor Degreasing Fluid

Packaging

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

Shelf Life

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

LENIUM is a trademark of Vantage Specialties, Inc.

Typical property data is not intended for specification purposes. Vantage Specialties, Inc., its sales agents and distributors make no warranty of merchantability of the product or of product fitness for any particular purpose. This product and all information supplied are used at the purchaser's own risk. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.

Vantage Specialties, Inc.

3938 Porett Drive • Gurnee, Illinois 60031 USA • P +1 847 244 3410 • F +1 847 249 6346 • www.vantagegrp.com