



## Technical Data Sheet

## LENIUM™ GS Vapor Degreasing Solution

### Product Description

**LENIUM GS** Vapor Degreasing Solution is a mixture based on n-propyl bromide (*n*PB) and stabilizers designed for use in open-top and vacuum vapor degreasers. It removes adhesives, buffing compounds, drawing oils, greases, hydraulic oils, lapping compounds, resins, inks, silicone oils and waxes. LENIUM GS is a drop-in replacement for trichloroethylene (TCE), HCFC-141b, HCFC-225, perchloroethylene (PCE) and methylene chloride (MeCl).

### Features and Benefits

- General Metal Cleaner
- Replaces TCE, PCE, etc.
- Good Material Compatibility
- Aerospace Approved
- Low Surface Residues

### Properties

Appearance	Clear Liquid
Specific Gravity (25 °C)	1.32
Viscosity (25 °C)	0.49 cps
Vapor Pressure (20 °C)	110.8 mm Hg
Vapor Density (20 °C)	3.4
Flash Point	None
Boiling Point	160 °F (71 °C)
Specific Heat (25 °C)	0.27
Heat of Vaporization	58.8 cal/g
Kauri-Butanol (KB) Value	125

### Soils Removed

- Adhesives
- Hydraulic Oils
- Buffing Compounds
- Lapping Compounds
- Drawing Oils
- Resins & Inks
- Silicone Oils
- Greases
- Waxes

### Equipment

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



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### Process

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

#### Controller Settings

Liquid Temperature Controller Sensor (LTC)	170 °F (77 °C)
High Temperature Controller (HTC)	175 °F (79 °C)
Safety Vapor Controller (SVC)	150 °F (66 °C)
Vapor Up Temperature (VU)	150 °F (66 °C)
Primary Refrigeration Temperature	35-40 °F (2-5 °C)

### Environmental/Regulatory

Ozone Depletion Potential (ODP)	0.013-0.018
Global Warming Potential (GWP)	Low
Acceptable Exposure Limit (AEL)	25 ppm
Volatile Organic Compound (VOC)	1320 g/L
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
Permissible Exposure Limit (PEL, ACGIH)	0.1 ppm

### 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

#### Approvals

**Bell Helicopter** Bulletin No.: 1918 n-Propyl Bromide, Vapor Degreasing Grade

**Boeing** BAC 5408 Vapor Degreasing Specification (PSD 6-68)

**Scott Aviation** SMP No.: 7700009 Rev. AP, Cleaning of Components & Assemblies for Use in Breathing Equipment

**Lockheed Martin** EMAP G41.149

**Praxair** ID# GDE 10055434

**Safran** In-1500 Products Used For Degreasing-Organic Solvents ( n-Propyl Bromide)

#### Testing

ASTM F-519, F-945, F-1110

### Packaging

Available in 55 lb (25 kg) pails and 602 lb (273 kg) drums.

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### Shelf Life

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



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