

Technical Data Sheet

LENIUM® GS

Product Description

LENIUM GS Vapor Degreasing Solvent 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# GDF 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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