



# Product Information

www.miller-stephenson.com

## MS-124H / 126H Connector Lubricant

### Description:

Cleans, lubricates and protects multi-pin connectors.

### Advantages:

- Reduces insertion forces
- Greatly increases mating cycles (especially important where high pin counts are involved)
- Extend connector life by preventing corrosion and galling
- No interference in electrical continuity
- Removes contaminants and oxides
- Forms no residue, even at high temperatures
- Is non-migrating-contains no silicone
- Available with a UV (ultraviolet) indicator
- Nonflammable
- RoHS2 and RoHS3 compliant

VOC Content for MS-124H.....895 g/l  
 VOC Content for MS-126H.....1118 g/l

The active ingredient of Connector Lubricant is a five (5) ring polyphenyl ether (PPE) lubricant. This lubricant will help protect metal connector surfaces from excessive wear, when subjected to hundreds of mating cycles, thereby increasing the life of the connectors. It will also reduce insertion forces and provide corrosion protection in harsh environments.

Only a very thin film is required on metal surfaces; therefore, the polyphenyl ether is usually diluted in a solvent. Various solvents and different polyphenyl ether concentrations may be used.

Connector Lubricant is available in a 1% (aerosol) and 2% (bulk liquid) PPE concentration. This is the proper concentration for connectors operating at room temperature where there is little or no vibration.

A Spectro EA-140 4-watt Long Wave UV Lamp may be used for UV detection.

### Physical Properties: 5-Ring Polyphenyl Ether

**Maximum Operating Temperatures** 140°F/60°C  
 (Higher temperatures result in shorter film life)

**Surface Tension @ 100°F, dyne/cm** 49.9

### Oxidation & Corrosion Stability @ 600°F/48 hrs

Steel wt. Δ (mg)	0.02
Silver wt. Δ (mg)	0.03
Copper wt. Δ (mg)	0.14
Aluminum wt. Δ (mg)	0.04
Total Acid Number Δ	0.00

**Thermal Stability** 847°F/453°C

**Refractive Index @ 25°C** 1.630

**Note:** Test for compatibility before use.

**Safety Data Sheets (SDS) are available upon request.**

**Subject to the EAR, ECCN 1C006.b.1**

**LIMITATION OF LIABILITY AND REMEDIES:** Manufacturer warrants that, at the time of shipment by the Manufacturer, this product is free from defect in material and manufacture. If the product is proved to be defective, the exclusive remedy, at Manufacturer's option, shall be refund of the purchase price or replacement of the defective product, provided written notice of the defect is given no later than one year after the date of shipment by the Manufacturer. Manufacturer shall not otherwise be liable for loss or damages whether direct, indirect, incidental or consequential, regardless of the legal theory asserted, including negligence and strict liability. **Manufacturer expressly disclaims all implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.**

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