



# Product Information

www.miller-stephenson.com

## MS-538N/539N Contact Re-Nu & Lube®

### Description

Excellent for cleaning and lubricating contacts, switches, relays, tuners, encoders, slide wires, rheostats, distribution panels and servomechanisms to restore electrical and mechanical continuity. Contains a high performance synthetic hydrocarbon oil. Contains no silicones. For lubricating multi-pin connectors, use MS-381HC/MS-383H Connector Lubricant.

### ADVANTAGES:

- High effective cleaning agent
- Fully Synthetic Lubricant
- Evaporates quickly
- Nonflammable; No ODP
- RoHS compliant

### PROPERTIES OF SYNTHETIC OIL:

Kinematic Viscosity, cSt @ 212°F/100°C.....	3.9
Kinematic Viscosity, cSt @ 104°F/40°C.....	16.8
Kinematic Viscosity, cSt @ -40°F/-40°C.....	2488
Viscosity Index.....	124
Pour Point.....	-92°F/-69°C
Volatility, wt%.....	13

### TYPICAL PROPERTIES:

Boiling Point.....	98°F/37°C
Liquid Density.....	1.33 g/ml @ 77°F/25°C
Ozone Depletion.....	0.00
VOC Content of MS-538N.....	437g/l
VOC Content of MS-539N.....	375g/l

### PLASTIC COMPATIBILITY:

(Immersion: 15 minutes at Room Temperature)

- |                 |                        |
|-----------------|------------------------|
| • Acetal        | • Polyethylene         |
| • Polypropylene | • Polyester, PBT, PET  |
| • PEK, PEEK     | • Epoxy-Phenolics      |
| • Polyimides    | • Polyvinylchloride    |
| • PTFE          | • Liq. Crystal Polymer |

**NOTE:** Acrylics, ABS, and polycarbonate, if under stress, may show slight cracking or crazing damage. Test for compatibility before use.

### Elastomer Capability:

(Immersion: 15 mins at Room Temperature)

- |                       |                  |
|-----------------------|------------------|
| • Butyl Rubber        | • Natural Rubber |
| • Polysulfide         | • EPDM           |
| • Buna S              | • Buna N         |
| • Neoprene            | • Urethane       |
| • Chlorosulfonated PE | • Silicone       |
| • Viton™              |                  |

**NOTE:** Elastomer swelling and shrinking will, in most cases, revert to within a few percent of original size after air drying. Swell, shrinkage, and extractables are strongly affected by the compounding agents, plasticizers, and curing used in the manufacture of the elastomers. Test for compatibility before use.

### Metal Compatibility:

(Immersion: 2 weeks at 99°F/37°C)

- Aluminum
- Copper
- Iron

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

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

Viton™ is a trademark of The Chemours Company FC, LLC

1604-9K

The recommendation made here with and the information set forth with respect to the performance or use of our products are believed, but not warranted to be accurate. The products discussed are sold without warranty, as to fitness or performance, express or implied and upon condition that purchasers shall make their own test to determine suitability of such products for their particular purposes. Likewise, statements concerning the possible uses of our products are not intended as recommendations to use our products in the infringement of any patent.

For technical information call 800.992.2424 or 203.743.4447  
For product sales: CT 800.442.3424, CA 800.771.8161, IL 800.447.4866, Canada 800.307.2199  
[www.miller-stephenson.com](http://www.miller-stephenson.com)