

# NS-7696-G1

## Electrical Contact Lubricant

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A synthetic based grease designed primarily for electrical contact interface lubrication. Suitable for low current (non-arcing) and arcing sliding contact switches. May also be used on lightly loaded mechanical applications. Exhibits outstanding oxidation resistance, enhancing the products ability to provide exceptional corrosion protection on Cu, Cu alloy, Ag, Au and Ni metals in areas of high humidity.

### Characteristics:

- Good mechanical lubricity and stability
- Temperature range -40°F (-40°C) to +275°F (+135°C)
- Outstanding oxidation resistance
- Outstanding Cu,Cu alloy, Ni, Ag, and Au corrosion protection
- Compatible with ABS(ABS) & polycarbonates(PC) plastics

### Typical Properties

NLGI grade	0.5
Color	Tan
Thickener	Li Soap
Penetration, ASTM D217, worked, 60 DS	347
Apparent Viscosity, 4 hrs. @ -40°C, T-E spindle, cP	83,600
Dropping point, ASTM D2265, °F(°C)	399 (204)
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	10
Evaporation Loss, ASTM D972, 22 hrs., 210°F, %	0.21
Copper corrosion, ASTM D130, 24 hrs. @ 210°F	1b
Bomb Oxidation, ASTM D942, 100 hrs, 210°F, psi	1.5

### Typical Base Fluid Properties

Base fluid	Synthetic
Viscosity, ASTM D445 @ 100°C, cSt	11
Viscosity, ASTM D445 @ 40°C, cSt	68
Viscosity, ASTM D445 @ -40°C, cSt	15,800
Viscosity Index Extended, ASTM D2270	155
Pour point, ASTM D97, °C	-60
Flash point, ASTM D92, °C	254

### Material Compatibilities:

Compatible with most engineering plastics including ABS and polycarbonate. Not for use with Buna S, Butyl, EPDM, EPR, or natural rubber elastomers. Check with material manufacturer or Syn-Tech concerning compatibility.

03/08 Rev. 3

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