

EML

Contact Cleaner Lubricant

DESCRIPTION

EML is a solvent/lubricant blend designed to remove surface contamination and oxidation from all metallic contact surfaces. Use of the product reduces electrical resistance across the switch or connector by increasing the surface area of the contact. **EML** also ensures long term protection from corrosion and arcing by depositing a thin film of our (2X Oil) Contact Lubricant.

READ ENTIRE TECHNICAL BULLETIN BEFORE USING THIS PRODUCT

FEATURES AND BENEFITS

- Excellent electrical properties; reduces contact resistance to a low stable level without altering frequency
- Compatible with most plastics, paints and rubbers; versatile in use
- Rapid solvent evaporation; efficient production processes
- Silicone free and anti-static

APPROVALS

Standard	Status
RoHS Compliant (2015/863/EU)	Yes

PRODUCT INFORMATION

For available packaging sizes please visit:

electrolube.com

PHYSICAL PROPERTIES

Category	Results
Typical Properties	
Color	Clear Pale Straw
Specific Gravity @ 20 °C (g/mL)	
Bulk	0.995
Aerosol	0.665
Flash Point (Solvent) (°C)	
Bulk	-48
Aerosol	>210
Temperature Range (°C)	-40 to 130
Viscosity @ 20 °C (cST)	640
Pour Point (Oil)	-37 °C
Neutralization Value (mg KOH/g)	0.1
Copper Strip Corrosion @ 20 °C (IP.112/56)	Nil
Thermal Conductivity (cal/cm/sec/°C)	4.0×10^{-4}
Water Content (%)	<0.25
Surface Tension @ 20 °C (dynes/cm)	35.0
Drop Point	N/A
Ash (%)	<0.01
Evaporation Weight Loss @ 100 °C, 72 hours (IP.183-63)	6.2%

TYPICAL PRODUCT APPLICATION

Primarily for slider / rotary tuners, potentiometers, for friction, ball or roller wiping contacts, slip rings and brushes. EML can also be used in rocker/push-pull switches, edge connectors, plugs and sockets, valve pins, bulb holders, switch gear, locks, hinges and general electro-mechanical uses.

EML200F and ELM400D contains flammable solvents in order to remove CFC content. It should not be sprayed onto live contacts or other sources of ignition.

ADDITIONAL INFORMATION

Shelf Life

Description	Shelf Life
Bulk	72 Months
Pen	72 Months
Aerosol	36 Months

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

CONTACT INFORMATION

To confirm this document is the most recent version, please contact

TechnicalSupportTeam@hkw.co.uk

www.electrolube.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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