

## Contact Lubricants

# Technical Data Sheet

**ELECTROLUBE**  
THE SOLUTIONS PEOPLE

## EML Contact Cleaner Lubricant

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 Electrolube (2X Oil) Contact Lubricant.

- 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

**RoHS-2 Compliant (2011/65/EU):**  
**NATO Stock No:**

**Yes**  
**6850-99-244-6886**

### Typical Properties

Colour	Clear Pale Straw
Specific Gravity @ 20°C (g/ml)	0.995 (bulk) 0.665 (aerosol)
Flash Point (Solvent)	-48°C (aerosol) >210°C (bulk)
Temperature Range	-40°C to +130°C
Viscosity @ 20°C (cSt)	640
Pour Point (oil)	-37°C
Neutralisation Value (mg KOH/g)	0.1
Copper Strip corrosion @ 20°C (IP.112/56)	Nil
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%

### Packaging

200ml Aerosol (100% Ozone Friendly, Flammable)  
400ml Aerosol (100% Ozone Friendly, Flammable)  
5 ml Pen  
5 Litre Bulk

### Order Code

EML200F  
EML400D  
EML05P  
EML05L

#### Copyright Electrolube 2013

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,  
Ashby de la Zouch,  
Leicestershire LE65 1JR  
T +44 (0)1530 419 600  
F +44 (0)1530 416 640  
BS EN ISO 9001:2008  
Certificate No. FM 32082

### **Typical Product Applications**

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.

Revision 1: Oct 2013

#### **Copyright Electrolube 2013**

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,  
Ashby de la Zouch,  
Leicestershire LE65 1JR

**T** +44 (0)1530 419 600

**F** +44 (0)1530 416 640

BS EN ISO 9001:2008  
Certificate No. FM 32082