

# Technical Data Sheet

|                             |                                 |               |              |
|-----------------------------|---------------------------------|---------------|--------------|
| <b>PRODUCT DESCRIPTION:</b> | <b>Clear Protective Lacquer</b> | <b>DATE:</b>  | <b>09/97</b> |
| <b>PRODUCT CODE:</b>        | <b>CPL</b>                      | <b>PAGES:</b> | <b>2</b>     |

## PRODUCT DESCRIPTION

**Clear Protective Lacquer (CPL)** is a general purpose convenient coating designed to protect printed circuit boards from environmental attack. **CPL** is also ideal for protecting ferrous metals from corrosion. It is available in both aerosol and bulk packaging and are 100% Ozone Friendly. **CPL** may be completely removed after drying with a suitable solvent. **Electrolube 100% Ozone Friendly Ultrasolve (ULS)** is ideal.

In bulk form **CPL** may be used in our **Dip Coating Machine (DCM)** and spray guns. **Non-Acrylic Conformal Coating Thinners (DCT)** should be used to dilute the coating for spraying applications, and to maintain the viscosity in the dipping machine. **CPL** is 100% ozone friendly in both aerosol and bulk forms.

If Military specification is required, please ask for details on **Electrolube High Performance Acrylic (HPA)** and **SCC3 (DCA)**. These coatings hold various European and American Defence Approvals.

## PRODUCT USE

For coating electronic circuitry requiring environmental protection to the specification below. Also suitable for the protection of metal windings etc.

## FEATURES

- \* 100% ozone friendly.
- \* High quality glossy finish.
- \* Low oxygen permutivity.
- \* Good resistance to humidity.
- \* Resolderability through the lacquer and for use as a flux.
- \* Good surface Resistivity.
- \* Economical in use.

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## TYPICAL PROPERTIES

|                            |  |
|----------------------------|--|
| Specific Gravity (20°C):   | 0.86 (Bulk), 0.79(Aerosol)                       |
| Flash Point:               | 12°C(Bulk), >0°(Aerosol)                         |
| Volume Resistivity (20°C): | 20 x 10 <sup>12</sup> Ohms/cm (of dried coating) |

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### TYPICAL PROPERTIES continued

|                            |   |
|----------------------------|---|
| Softening Point (IP58/63): | Ring and ball softening point of dried solids is 88°C. Dried film becomes tacky at approx. 70°C |
| Viscosity (20°C):          | 25 cP   |
| Temperature Range:         | -50°C to +100°C   |
| Coverage (Aerosol):        | Approx. 13,000 cm <sup>2</sup>  |
| Nato Stock No:             | 8010-99-225-1266  |

### APPROVALS

Meets BS2011: Part 2J: 1967 Class 1-Resistance to mould growth  
Meets DEF STAN 59-47 Issue 2 - except solvent resistance and thermal cycling above 100°C  
Meets MIL-46058B - except for solvent resistance and thermal cycling above 100°C

Note: If a lacquer is required to meet the solvent resistance and thermal cycling specifications of these two standards, please refer to the **Electrolube SCC3 Data Sheet**.

### PACKAGING

#### CPL Conformal Coating

|                          |         |
|--------------------------|---------|
| 12ml Pen - Packed in 5's | CPL12P  |
| 200ml Aerosol            | CPL200H |
| 5 Litre Bulk             | CPL05L  |

#### Non-Acrylic Conformal Coating Thinners

|              |        |
|--------------|--------|
| 1 Litre Bulk | DCT01L |
| 5 Litre Bulk | DCT05L |

#### Removal Solvents

|                                  |         |
|----------------------------------|---------|
| Ultrasolve (100% Ozone Friendly) |         |
| 200 ml Aerosol                   | ULS200D |
| 400 ml Aerosol                   | ULS400D |
| 1 Litre Bulk                     | ULS01L  |
| 5 Litre Bulk                     | ULS05L  |
| 25 Litre Bulk                    | ULS25L  |

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### ORDER CODE