SAFETY DATA SHEET
CLEAR PROTECTIVE LACQUER Aerosol

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: CLEAR PROTECTIVE LACQUER Aerosol
PRODUCT NO.: ECPL200H
APPLICATION: Conformal coating for appliance protection
SUPPLIER: ELECTROLUBE. A division of HK WENTWORTH LTD
KINGSBURY PARK, MIDLAND ROAD
SWADLINCOTE
DERBYSHIRE, DE11 0AN
UNITED KINGDOM
+44(0)1283 222 111
+44(0)1283 550 177
info@hkw.co.uk

EMERGENCY TELEPHONE: +44(0)1283 222 111 between 8.30 am - 5.00pm Mon - Fri

2 HAZARDS IDENTIFICATION

Extremely flammable.
Vapours may cause drowsiness and dizziness.
Irritating to eyes.

CLASSIFICATION: Xi;R36. F+;R12. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMETHYL ETHER</td>
<td>204-065-8</td>
<td>115-10-6</td>
<td>30-60%</td>
<td>F+;R12</td>
</tr>
<tr>
<td>PROPAN-2-OL</td>
<td>200-661-7</td>
<td>67-63-0</td>
<td>10-30%</td>
<td>F;R11 Xi;R36 R67</td>
</tr>
<tr>
<td>BUTYL ACETATE -norm</td>
<td>204-658-1</td>
<td>123-86-4</td>
<td>10-30%</td>
<td>R10 R66 R67</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS
Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN
Treat symptomatically

INHALATION
Move the exposed person to fresh air at once. Get medical attention.

INGESTION
Not relevant.

SKIN CONTACT
Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES
CLEAR PROTECTIVE LACQUER Aerosol

EXTINGUISHING MEDIA
Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES
Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS
Aerosol cans may explode in a fire.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS
Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ventilate well. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS
Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>Std</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTYL ACETATE</td>
<td>WEL</td>
<td>150 ppm</td>
<td>724 mg/m3</td>
<td>200 ppm</td>
</tr>
<tr>
<td>DIMETHYL ETHER</td>
<td>WEL</td>
<td>400 ppm</td>
<td>766 mg/m3</td>
<td>500 ppm</td>
</tr>
<tr>
<td>PROPAN-2-OL</td>
<td>WEL</td>
<td>400 ppm</td>
<td>999 mg/m3</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT
Suitable respiratory protection must be used at high concentrations.

HAND PROTECTION
Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION
Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES
Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE       Aerosol Liquid
COLOUR           Light brown
ODOUR            Characteristic
VOLATILITY DESCRIPTION  Volatile.
### CLEAR PROTECTIVE LACQUER Aerosol

<table>
<thead>
<tr>
<th><strong>SOLUBILITY</strong></th>
<th>Insoluble in water</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RELATIVE DENSITY</strong></td>
<td>0.792 @ 20 °C</td>
</tr>
<tr>
<td><strong>AUTO IGNITION</strong></td>
<td>425</td>
</tr>
<tr>
<td><strong>TEMPERATURE (°C)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FLASH POINT (°C)</strong></td>
<td>&lt;0 CC (Closed cup).</td>
</tr>
<tr>
<td><strong>FLAMMABILITY LIMIT - LOWER(%)</strong></td>
<td>2.3</td>
</tr>
<tr>
<td><strong>FLAMMABILITY LIMIT - UPPER(%)</strong></td>
<td>12</td>
</tr>
</tbody>
</table>

#### 10 STABILITY AND REACTIVITY

**STABILITY**
Stable under normal temperature conditions.

**CONDITIONS TO AVOID**
Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

#### 11 TOXICOLOGICAL INFORMATION

**INHALATION**
May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

**SKIN CONTACT**
Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin. Prolonged or repeated exposure may cause severe irritation.

**EYE CONTACT**
Irritating to eyes.

**Other Health Effects**
This substance has no evidence of carcinogenic properties.

**ROUTE OF ENTRY**
Inhalation.

<table>
<thead>
<tr>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
<th>Toxic Dose 2 - LD 60</th>
<th>Toxic Conc. - LC 50</th>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td>5045 mg/kg (oral rat)</td>
<td>3600 mg/kg (oral-mouse)</td>
<td>47-73 mg/l/4h (inh-rat)</td>
<td>BUTYL ACETATE</td>
<td>14,100 mg/kg (oral rat)</td>
</tr>
</tbody>
</table>

#### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**
Not regarded as dangerous for the environment.

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, FISH mg/l</th>
<th>EC 50, 48 Hrs, DAPHNIA, mg/l</th>
<th>Name</th>
<th>LC 50, 96 Hrs, FISH mg/l</th>
<th>EC 50, 48 Hrs, DAPHNIA, mg/l</th>
<th>IC 50, 72 Hrs, ALGAE, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td>9600</td>
<td>10000</td>
<td>BUTYL ACETATE</td>
<td>&gt;96</td>
<td>72.8</td>
<td>674</td>
</tr>
</tbody>
</table>

#### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**
Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

#### 14 TRANSPORT INFORMATION
CLEAR PROTECTIVE LACQUER Aerosol

UK ROAD CLASS 2

PROPER SHIPPING NAME AEROSOLS

| UN NO. ROAD | 1950 |
| UK ROAD PACK GR. | N/A |

ADR CLASS NO. 2

ADR CLASS N/A

ADR PACK GROUP N/A

ADR LABEL NO. 2.1

CEFIC TEC(R) NO. 20G5F

RID CLASS NO. 2

RID PACK GROUP N/A

UN NO. SEA 1950

IMDG CLASS 2.1

IMDG PACK GR. N/A

EMS F-D, S-U

MARINE POLLUTANT No.

UN NO. AIR 1950

AIR CLASS 2.1

AIR PACK GR. N/A

15 REGULATORY INFORMATION

SYMBOLS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Irritant" /></td>
<td>Irritant</td>
</tr>
<tr>
<td><img src="image" alt="Extremely Flammable" /></td>
<td>Extremely Flammable</td>
</tr>
</tbody>
</table>

RISK PHRASES

- R12 Extremely flammable.
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

- A1 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- A2 Do not spray on a naked flame or any incandescent material.
- S2 Keep out of the reach of children
- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe vapour/spray.
- S25 Avoid contact with eyes.
- S38 In case of insufficient ventilation, wear suitable respiratory equipment.
- S51 Use only in well-ventilated areas.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.
The Control of Substances Hazardous to Health Regulations 1988.

ENVIRONMENTAL LISTING


EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC.
Dangerous Substance Directive 67/548/EEC.
Dangerous Preparations Directive 1999/45/EC.

CLEAR PROTECTIVE LACQUER Aerosol


APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES
Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS
Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

ISSUED BY
Helen O'Reilly

REVISION DATE
NOVEMBER 2008

REV. NO./REPL. SDS
4

GENERATED
10341

SDS NO.

RISK PHRASES IN FULL

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.