



**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  
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**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**

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

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**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m <sup>3</sup>	200 ppm	966 mg/m <sup>3</sup>	
DIMETHYL ETHER	WEL	400 ppm	766 mg/m <sup>3</sup>	500 ppm	958 mg/m <sup>3</sup>	
PROPAN-2-OL	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>	

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**

<b>APPEARANCE</b>	Aerosol Liquid
<b>COLOUR</b>	Light brown
<b>ODOUR</b>	Characteristic
<b>VOLATILITY DESCRIPTION</b>	Volatile.

**CLEAR PROTECTIVE LACQUER Aerosol**

<b>SOLUBILITY</b>	Insoluble in water		
<b>RELATIVE DENSITY</b>	0.792 @ 20 °c	<b>FLASH POINT (°C)</b>	<0 CC (Closed cup).
<b>AUTO IGNITION TEMPERATURE (°C)</b>	425	<b>FLAMMABILITY LIMIT - LOWER(%)</b>	2.3
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	12		

**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 alkalies.

**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.

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

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Not regarded as dangerous for the environment.

<b>Name</b>	PROPAN-2-OL
<b>LC 50, 96 Hrs, FISH mg/l</b>	9600
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	10000
<b>Name</b>	BUTYL ACETATE -norm
<b>LC 50, 96 Hrs, FISH mg/l</b>	>96
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	72.8
<b>IC 50, 72 Hrs, ALGAE, mg/l</b>	674

**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**

<b>UK ROAD CLASS</b>	2		
<b>PROPER SHIPPING NAME</b>	AEROSOLS		
<b>UN NO. ROAD</b>	1950	<b>UK ROAD PACK GR.</b>	N/A
<b>ADR CLASS NO.</b>	2	<b>ADR CLASS</b>	Class 2: Gases
<b>ADR PACK GROUP</b>	N/A	<b>ADR LABEL NO.</b>	2.1
<b>CEFIC TEC(R) NO.</b>	20G5F	<b>RID CLASS NO.</b>	2
<b>RID PACK GROUP</b>	N/A	<b>UN NO. SEA</b>	1950
<b>IMDG CLASS</b>	2.1	<b>IMDG PACK GR.</b>	N/A
<b>EMS</b>	F-D, S-U	<b>MFAG</b>	See Guide
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	1950
<b>AIR CLASS</b>	2.1	<b>AIR PACK GR.</b>	N/A

**15 REGULATORY INFORMATION****SYMBOLS**

Irritant



Extremely Flammable

**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**

Rivers (Prevention of Pollution) Act 1961. Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

**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.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**CLEAR PROTECTIVE LACQUER Aerosol**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**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**

**SDS NO.** 10341

**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.