



**SAFETY DATA SHEET**  
**ACRYLIC PROTECTIVE LACQUER**

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

**PRODUCT NAME** ACRYLIC PROTECTIVE LACQUER  
**PRODUCT NO.** EAPL400H  
**APPLICATION** Manufacture of electrical equipment  
**SUPPLIER** ELECTROLUBE. A division of  
 HK WENTWORTH LTD  
 KINGSBURY PARK, MIDLAND  
 ROAD  
 SWADLINCOTE  
 DERBYSHIRE, DE11 0AN  
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**2 HAZARDS IDENTIFICATION**

Extremely flammable.

Vapours may cause drowsiness and dizziness.

Irritating to eyes and skin.

Possible risk of harm to the unborn child.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**CLASSIFICATION** Xn;R48/20. Rep 3;R63. Xi;R36/38. F+;R12. R67.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
TOLUENE	203-625-9	108-88-3	30-60%	F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
BUTANONE	201-159-0	78-93-3	10-30%	F;R11 Xi;R36 R66 R67
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
ISOBUTANE	200-857-2	75-28-5	5-10%	F+;R12
PROPANE	200-827-9	74-98-6	5-10%	F+;R12
SOLVENT NAPHTHA (petroleum, light )	265-199-0	64742-95-6	<0.5%	Xn;R65. Xi;R37. N;R51/53. R10.

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. Keep the affected person warm and at rest. Get prompt medical attention.  
 Get medical attention.

**ACRYLIC PROTECTIVE LACQUER****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. Use tepid water for rinsing

**5 FIRE-FIGHTING MEASURES****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**

Absorb in vermiculite, dry sand or earth and place into containers. Ventilate well.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Provide good ventilation.

**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
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>	
BUTANONE	WEL	200 ppm(Sk)	600 mg/m <sup>3</sup> (Sk)	300 ppm(Sk)	899 mg/m <sup>3</sup> (Sk)	
TOLUENE	WEL	50 ppm(Sk)	191 mg/m <sup>3</sup> (Sk)	150 ppm(Sk)	574 mg/m <sup>3</sup> (Sk)	

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT****EYE PROTECTION**

Wear approved, tight fitting safety glasses where splashing is 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. 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** White

### ACRYLIC PROTECTIVE LACQUER

<b>ODOUR</b>	Characteristic		
<b>VOLATILITY DESCRIPTION</b>	Volatile.		
<b>SOLUBILITY</b>	Insoluble in water		
<b>RELATIVE DENSITY</b>	0.780-0.900 @ 20 C	<b>VAPOUR PRESSURE</b>	0.87 kPa @ 25 °c
<b>FLASH POINT (°C)</b>	<0 CC (Closed cup).	<b>AUTO IGNITION TEMPERATURE (°C)</b>	410/550
<b>FLAMMABILITY LIMIT - LOWER(%)</b>	1.8	<b>FLAMMABILITY LIMIT - UPPER(%)</b>	10

#### 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.

##### MATERIALS TO AVOID

Powdered metal. Alkali metals. Alkali earth metals.

#### 11 TOXICOLOGICAL INFORMATION

##### INHALATION

Harmful by 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.

##### EYE CONTACT

Irritating to eyes.

##### ROUTE OF ENTRY

Inhalation.

<b>Name</b>	TOLUENE
<b>Toxic Dose 1 - LD 50</b>	5000 mg/kg (oral rat)
<b>Name</b>	BUTANONE
<b>Toxic Dose 1 - LD 50</b>	2737 mg/kg (oral rat)
<b>Name</b>	SOLVENT NAPHTHA (petroleum, light )
<b>Toxic Dose 1 - LD 50</b>	>6800 mg/kg (oral rat)
<b>Toxic Conc. - LC 50</b>	>10.2 mg/l/4h (inh-rat)

#### 12 ECOLOGICAL INFORMATION

##### ECOTOXICITY

No data on possible environmental effects have been found. Not regarded as dangerous for the environment.

<b>Name</b>	TOLUENE
<b>LC 50, 96 Hrs, FISH mg/l</b>	24
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	19.6
<b>Name</b>	BUTANONE
<b>LC 50, 96 Hrs, FISH mg/l</b>	3200 - 5600
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	7060
<b>Name</b>	SOLVENT NAPHTHA (petroleum, light )

#### 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

### ACRYLIC PROTECTIVE LACQUER



<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



Harmful



Extremely Flammable

##### CONTAINS

TOLUENE

##### RISK PHRASES

R12	Extremely flammable.
R36/38	Irritating to eyes and skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
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.
S24/25	Avoid contact with skin and eyes.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

##### 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.

##### 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.

**ACRYLIC PROTECTIVE LACQUER**

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.

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.

**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**

SEPTEMBER 2008

**REV. NO./REPL. SDS**

4

**GENERATED****SDS NO.**

10319

**RISK PHRASES IN FULL**

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
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.