

## SAFETY DATA SHEET

### POLYURETHANE CONFORMAL COATING

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

PRODUCT NAME POLYURETHANE CONFORMAL COATING  
PRODUCT NO. EPUC400  
SUPPLIER ELECTROLUBE. A division of HK  
WENTWORTH LTD  
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#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
A MIXTURE OF: BUTAN-2-ONE OXIME SYN-O,O'-DI(BUTAN-2-ONE OXIME)DIETHOXSILANE	202-496-6	96-29-7	< 1%	T;R48/22 R43 R52/53
BUTANE	203-448-7	106-97-8	30-60%	F+;R12
HYDROCARBON DISTILLATE	265-185-4	64742-82-1	10-30%	Xn;R65. N;R51/53. R10,R66.
WHITE SPIRIT	265-151-9	64742-49-0	5-10%	Xn;R65. Xi;R38. N;R51/53.
XYLENE	215-535-7	1330-20-7	< 1%	R10 Xn;R20/21 Xi;R38

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

#### 3 HAZARDS IDENTIFICATION

Extremely flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION F+;R12. N;R51/53.

#### 4 FIRST-AID MEASURES

##### 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.

##### INGESTION

Immediately rinse mouth and provide fresh air.

##### 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

##### 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

**POLYURETHANE CONFORMAL COATING****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	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)
HYDROCARBON DISTILLATE	WEL		600 mg/m3		

**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	Colourless				
ODOUR	Characteristic				
VOLATILITY DESCRIPTION	Volatile.				
SOLUBILITY	Immiscible with water				
PHYSICAL DATA COMMENTS	Information given concerns the major ingredient.				
BOILING POINT (°C)	<0	RELATIVE DENSITY	0.870 @ 20 °c		
BULK DENSITY	870 kg/m3	VAPOUR PRESSURE	0.87 kPa @ 20 °c		
FLASH POINT (°C)	<0 CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	230		
FLAMMABILITY LIMIT - LOWER(%)	1.8	FLAMMABILITY LIMIT - UPPER(%)	10.0		

**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.

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

Dangerous for the environment if discharged into watercourses.

**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.

## POLYURETHANE CONFORMAL COATING

## 14 TRANSPORT INFORMATION



UK ROAD CLASS	2.1		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	Not Applicable
ADR CLASS NO.	2.1	ADR CLASS	Class 2.1: Flammable gases.
ADR PACK GROUP	Not Applicable	ADR LABEL NO.	2.1
CEPIC TEC(R) NO.	20G5F	RID CLASS NO.	2.1
RID PACK GROUP	Not Applicable	UN NO. SEA	1950
IMDG CLASS	2.1	IMDG PACK GR.	Not Applicable
EMS	F-E; S-U	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1950
ICAO CLASS	2.1	AIR PACK GR.	Not Applicable

## 15 REGULATORY INFORMATION

## LABELLING



Extremely Flammable



Dangerous for the environment

## RISK PHRASES

R12	Extremely flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SAFETY PHRASES

S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.
S51	Use only in well-ventilated areas.
P14	Contains A MIXTURE OF: BUTAN-2-ONE OXIME SYN-O,O'-DI(BUTAN-2-ONE OXIME)DIETHOXYLANE. May produce an allergic reaction.
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.

## UK REGULATORY REFERENCES

Chemicals (Hazard Information &amp; Packaging) Regulations.

## 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/EEC. Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC.

## STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

## 16 OTHER INFORMATION

## GENERAL INFORMATION

CN No 38140090

## REVISION COMMENTS

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

## POLYURETHANE CONFORMAL COATING

ISSUED BY

Helen O'Reilly

REVISION DATE

SEPTEMBER 2005

REV. NO./REPL. SDS GENERATED 2

SDS NO.

10542

RISK PHRASES IN FULL

R10	Flammable.
R12	Extremely flammable.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

### 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.