

**SAFETY DATA SHEET**  
**SURFACE MOUNT ADHESIVE**

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

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PRODUCT NAME SURFACE MOUNT ADHESIVE  
 PRODUCT NO. ESMA10SL  
 SUPPLIER ELECTROLUBE. A division of HK  
 WENTWORTH LTD  
 KINGSBURY PARK, MIDLAND ROAD  
 SWADLINCOTE  
 DERBYSHIRE, DE11 0AN  
 UNITED KINGDOM  
 +44(0)1283 222 111  
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**2 COMPOSITION/INFORMATION ON INGREDIENTS**

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Name	EC No.	CAS-No.	Content	Classification
Aliphatic Amines			10-30%	Xi;R36/37.
EPOXY RESIN (Number average MW <= 700 )	500-033-5	25068-38-6	60-100%	R43 Xi;R36/38 N;R51,R53
NEOPENTYL GLYCOL DIGLYCIDYL ETHER	241-536-7	17557-23-2	10-30%	Xi;R38. R43.

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

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**3 HAZARDS IDENTIFICATION**

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May cause sensitisation by skin contact. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R36/38. R43. N;R51/53.

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**4 FIRST-AID MEASURES**

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**INHALATION**

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION**

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

**SKIN CONTACT**

Remove affected person from source of contamination. Get medical attention promptly if symptoms occur after washing. Rinse the skin immediately with lots of water. Get medical attention if any discomfort continues.

**EYE CONTACT**

Remove victim immediately from source of exposure. 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 and get medical attention.

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**5 FIRE-FIGHTING MEASURES**

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**EXTINGUISHING MEDIA**

Fire can be extinguished using: Foam. Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use water to keep fire exposed containers cool and disperse vapours.

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**6 ACCIDENTAL RELEASE MEASURES**

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**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Stop leak if possible without risk. DO NOT touch spilled material! Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

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**7 HANDLING AND STORAGE**

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REVISION DATE: MAY 2004

## SURFACE MOUNT ADHESIVE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

### 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

Use approved safety goggles or face shield.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE	Paste		
COLOUR	Red		
SOLUBILITY	Insoluble in water		
RELATIVE DENSITY	1.18 @ 20 °c	VISCOSITY	1450 mPas @ 20 °c

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## 10 STABILITY AND REACTIVITY

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### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

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## 11 TOXICOLOGICAL INFORMATION

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### HEALTH WARNINGS

INGESTION. May cause stomach pain or vomiting. Pulmonary sensitiser. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause sensitisation by skin contact. This chemical may cause skin/eye irritation and burns (corrosive). May cause skin irritation/eczema. INHALATION. Severe pulmonary irritant. May cause irritation to the respiratory system. EYE CONTACT. May cause severe irritation to eyes.

EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN. Mild dermatitis, allergic skin rash. Defatting, drying and cracking of skin.

### ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

### TARGET ORGANS

Eyes. Gastro-intestinal tract. Respiratory system, lungs. Skin.

### MEDICAL SYMPTOMS

Severe pulmonary irritation. General respiratory distress, unproductive cough. Nausea, vomiting.

## SURFACE MOUNT ADHESIVE

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

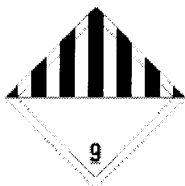
Dangerous for the environment if discharged into watercourses.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

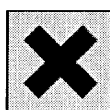
### 14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))		
UK ROAD PACK GR.	III	ADR CLASS NO.	9
ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.	ADR PACK GROUP	III
HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	90GM6-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A; S-F
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	3082	ICAO CLASS	9
AIR PACK GR.	III		

### 15 REGULATORY INFORMATION

**LABELLING**



Irritant



Dangerous for the environment

**CONTAINS**

EPOXY RESIN (Number average MW <= 700 )  
NEOPENTYL GLYCOL DIGLYCIDYL ETHER

**RISK PHRASES**

R43	May cause sensitisation by skin contact.
R36/38	Irritating to eyes and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

**UK REGULATORY REFERENCES**

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

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## SURFACE MOUNT ADHESIVE

### ENVIRONMENTAL LISTING

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

### EU DIRECTIVES

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

### APPROVED CODE OF PRACTICE

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

### GUIDANCE NOTES

Occupational Exposure Limits EH40.

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## 16 OTHER INFORMATION

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### GENERAL INFORMATION

CN No 39073000

### ISSUED BY

Helen O'Reilly

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SDS NO.

10445

### RISK PHRASES IN FULL

R36/37

Irritating to eyes and respiratory system.

R36/38

Irritating to eyes and skin.

R38

Irritating to skin.

R43

May cause sensitisation by skin contact.

R51/53

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

### 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.