

**SAFETY DATA SHEET**  
**UNFILLED EPOXY RESIN 1448A**

**1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**PRODUCT NAME** UNFILLED EPOXY RESIN 1448A  
**PRODUCT NO.** EER1448A  
**APPLICATION** Resin  
**SUPPLIER** H K WENTWORTH PTY LIMITED  
P.O. BOX 339  
BROOKVALE, NSW 2100  
AUSTRALIA  
TEL: 02 9938 1566  
FAX: 02 9938 1467  
GENERAL MANAGER  
**EMERGENCY TELEPHONE** Tel: 029938 1566 between 8.30am and 5.00pm EST

**2 HAZARDS IDENTIFICATION**

**HAZARD ID**

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

**STATEMENT OF HAZARDOUS NATURE**

HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

**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.

**DG CLASS**

Class 9: Miscellaneous dangerous substances and articles.

**PACKING GROUP** III

**UN NO.** 3082

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
EPOXY RESIN (Number average MW <= 700 )	500-033-5	25068-38-6	30-60%	R43 Xi;R36/38 N;R51/53
Polypropylene glycol diepoxide resin		41638-13-5	10-30%	Xi;R36/38. R43,R52/53.
NEOPENTYL GLYCOL DIGLYCIDYL ETHER	241-536-7	17557-23-2	10-30%	Xi;R38. R43.

**COMPOSITION COMMENTS**

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels. Ingredients are registered on AICS.

**4 FIRST-AID MEASURES**

**INHALATION**

Move the exposed person to fresh air at once.

**INGESTION**

DO NOT INDUCE VOMITING! Get medical attention immediately! Rinse nose, mouth and throat with water.

## UNFILLED EPOXY RESIN 1448A

### SKIN CONTACT

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

### 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 and get medical attention.

## 5 FIRE-FIGHTING MEASURES

### 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.

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

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.

## 7 HANDLING AND STORAGE

### 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.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

Australian exposure limits are: LT= ES-TWA and ST= ES STEL

### 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

Wear approved, tight fitting safety glasses where splashing is probable.

### 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.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** Viscous Liquid

**COLOUR** Black

**UNFILLED EPOXY RESIN 1448A**

<b>SOLUBILITY</b>	Insoluble in water		
<b>RELATIVE DENSITY</b>	1.05 - 1.10 @ 21-23 °c	<b>VISCOSITY</b>	200 - 350 mPas @ 21-23 ° c

**10 STABILITY AND REACTIVITY****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>).

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

May cause discomfort if swallowed. May cause stomach pain or vomiting.

**SKIN CONTACT**

Irritating to skin. May cause sensitisation by skin contact. May cause allergic contact eczema. Prolonged contact may cause dryness of the skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

**EYE CONTACT**

Irritating to eyes. May cause chemical eye burns.

**ROUTE OF ENTRY**

Inhalation. Ingestion. Skin and/or eye contact.

<b>Name</b>	EPOXY RESIN (Number average MW <= 700 )
<b>Toxic Dose 1 - LD 50</b>	>5000 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	>20000 mg/kg (oral rat)
<b>Name</b>	NEOPENTYL GLYCOL DIGLYCIDYL ETHER
<b>Toxic Dose 1 - LD 50</b>	>2000 mg/kg (oral rat)

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

Dangerous for the environment if discharged into watercourses.

<b>Name</b>	EPOXY RESIN (Number average MW <= 700 )
<b>LC 50, 96 Hrs, FISH mg/l</b>	3.1
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	1.4-1.7

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

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

**14 TRANSPORT INFORMATION**

<b>PROPER SHIPPING NAME</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 )		
<b>UN NO.</b>	3082	<b>ADR CLASS NO.</b>	9
<b>DG CLASS</b>	Class 9: Miscellaneous dangerous substances and articles.	<b>PACKING GROUP</b>	III

### UNFILLED EPOXY RESIN 1448A

HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	3Z	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	AIR CLASS	9
AIR PACK GR.	III		

#### 15 REGULATORY INFORMATION

##### LABELLING



Irritant



Dangerous for  
the environment

##### CONTAINS

EPOXY RESIN (Number average MW <= 700 )  
Polypropylene glycol diepoxide resin  
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.

##### NATIONAL REGULATIONS

National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC:1005(1994)]  
National Code of Practice for the Control of Workplace Hazardous Substances [NOHSC:2007(1994)]  
National Code of Practice for the Preparation of Material Safety Datasheets [NOHSC:2011(2003)]  
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004) and List of Designated Hazardous Substances

**POISONS SCHEDULE NUMBER** none

#### 16 OTHER INFORMATION

**REVISION DATE** NOVEMBER 2008

**REV. NO./REPL. SDS** 0

**GENERATED**

**SDS NO.** 10663

##### RISK PHRASES IN FULL

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.  
R52/53 Harmful 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.