



## SAFETY DATA SHEET

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**RX804C/BK**

Issue date: 8 November 2002

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

**Product name** RX804C/BK  
Robnor Resins Ltd  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components** REACTION PRODUCT: BISPHENOL A - (EPICHLOROHYDRIN); EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <700) 10-20%  
CAS: 25068-38-6  
Xi; R36 Xi; R38 Xi; R43 N; R51/53  
  
2,3 - Epoxy propyl ester of mixed trialkyl acetic acids 1-10%  
CAS: 26761-45-5  
Xi; R43 N; R51/53

### 3. HAZARDS IDENTIFICATION

**Main hazards** Irritating to eyes and skin.  
May cause sensitization by skin contact.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES

**Skin contact** Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.  
**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.  
**Inhalation** Move to fresh air in case of accidental inhalation of vapours or decomposition products. Consult a physician after significant exposure.  
**Ingestion** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Call a physician immediately.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** water spray dry chemical

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**Extinguishing media which must not be used for safety reasons** high volume water jet

**Special protective equipment for firefighters** In the event of fire, wear self contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

**Environmental precautions** Avoid subsoil penetration. Do not contaminate surface water. Prevent product from entering drains.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Handling** Provide for appropriate exhaust ventilation at machinery. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes.

**Storage** Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep at temperatures between 15 and 25°C.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

	Name	STD	TWA (ppm)	TWA (mgm3)	STEL (ppm)	STEL (mgm3)
<b>Engineering measures to reduce exposure</b>	Ensure adequate ventilation, especially in confined areas.					
<b>Respiratory protection</b>	Do not inhale aerosol. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.					
<b>Hand protection</b>	rubber or plastic gloves					
<b>Eye protection</b>	safety glasses with side-shields tightly fitting safety goggles					
<b>Skin and body protection</b>	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.					

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Description</b>	Liquid
<b>Odour</b>	slight
<b>Colour</b>	black

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable at normal conditions
<b>Conditions to avoid</b>	Heat, flames and sparks. Exothermic reaction with strong acids.
<b>Materials to avoid</b>	strong acids and strong bases strong acids and oxidizing agents oxidizing agents

**11. TOXICOLOGICAL INFORMATION**

<b>Primary irritation</b>	Contact with eyes or skin causes irritation.
<b>Sensitization</b>	May cause sensitization by skin contact.

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	May cause long-term adverse effects in the aquatic environment.
<b>Persistence / degradability</b>	Not inherently biodegradable.

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**13. DISPOSAL CONSIDERATIONS**

<b>Specific methods</b>	Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
<b>Contaminated packaging</b>	Empty containers can be landfilled after cleaning, when in compliance with local regulations.

**14. TRANSPORT INFORMATION****ADR/RID**

**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

<b>UN-No</b>	3082	<b>Class</b>	9
<b>Hazard ID</b>	90	<b>Packing group</b>	III
		<b>Labelling</b>	9

**IMDG-Code**

<b>UN-No</b>	3082	<b>Class</b>	9
<b>Marine pollutant</b>	.	<b>Packing group</b>	III
<b>EmS</b>	NONE	<b>Labelling</b>	9

**IATA-DGR**

<b>UN-No</b>	3082	<b>Hazard ID</b>	9 III
<b>Packing instruction (passenger aircraft)</b>	914	<b>Maximum quantity</b>	NO LIMIT
	914	<b>Maximum quantity</b>	NO LIMIT
<b>Class</b>	Y914	<b>Maximum quantity</b>	30 kg G
<b>Labelling</b>	9		A97

**15. REGULATORY INFORMATION**

<b>Symbol(s):</b>	Xi; N - Dangerous for the environment
<b>R -phrase(s)</b>	R36/38 - Irritating to eyes and skin. R43 - May cause sensitization by skin contact. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>S -phrase(s)</b>	S24 - Avoid contact with skin. S37 - Wear suitable gloves. S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

**16. OTHER INFORMATION**

<b>Text of R phrases mentioned in Section 2</b>	R36/38 - Irritating to eyes and skin. R43 - May cause sensitization by skin contact. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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**User notes:** IT SHOULD BE NOTED THAT THIS PRODUCT IS INTENDED FOR USE WITH A HARDENER DESIGNATED BY ROBNOR RESINS. THE CORRESPONDING SAFETY DATA FOR THAT RESIN MUST BE STUDIED ALONG WITH THE DATA ON THIS SHEET PRIOR TO USE. USING RESINS WHICH HAVE NOT BEEN SUPPLIED AND/OR RECOMMENDED BY ROBNOR RESINS FOR USE WITH THIS PRODUCT IS POTENTIALLY HAZARDOUS AND SHOULD NOT BE CONTEMPLATED.

Safety instructions and operating procedures for specified tasks must be written, communicated and enforced. These will include:

- \*\*Provision of hazard information and training of personnel based on operating procedures and safety data sheets, together with instructions on how to avoid exposure.
- \*\*Assessment of the risk of exposure and contact after all reasonable practical steps have been taken to avoid exposure, selection of suitable personal protective equipment and implementation of an appropriate programme.
- \*\*Provision of facilities for washing, storage of clothing and skin care and promotion of their use.
- \*\*Close supervision to identify failure in the performance of process controls or in following operating instructions, the occurrence of irritation and inadequate use of personal protective equipment. Assessment should also be made of the need for industrial personal hygiene and medical surveillance, and provision of appropriate services.

Occupational dermatitis contracted during exposure to resin systems is a reportable disease under Schedule 3 of the RIDDOR regulations (UK). Form F2508A available from the HSE should be used for such notification.

It is a statutory requirement that Medical Supervision is carried out when using products which can cause an identifiable disease, there is reasonable likelihood that the disease may occur under the particular conditions of work and there are valid techniques for detecting indications of the disease.

The Safety Data Sheet was compiled using information gathered concerning its individual components. No synergistic effects are known to us but we cannot exclude the existence of such effects.

If this product is to be machined in any way then the toxicological information in Section 11 and the information concerning respiratory protection in Section 8 should be noted.

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**Disclaimer:** WARNING:

The above information is provided by us in good faith but since we do not know the use to which our products may be put we cannot accept any liability for reliance placed on this sheet. We are always prepared to respond to enquiries regarding our products. Our responsibilities to our customers are only set out in our terms and conditions.