

SAFETY DATA SHEET

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HX803C/NC

Revision No. 1

Issue date: 09 September 2003

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name	HX803C/NC
Company	Robnor Resins Ltd Hunts Rise South Marston Park Swindon Wiltshire SN3 4TE +44 (0)1793 823741 +44 (0)1793 827033 support@robnor.co.uk www.robnor.co.uk +44 07831 130543

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	2-Piperazin-1-ylethylamine 40-50% CAS: 140-31-8 EINECS: 205-411-0 Xn;R21 Xn;R22 C;R34 Xi;R43 -,R52/53 Nonylphenol 20-30% CAS: 25154-52-3 EINECS: 246-672-0 Xn;R22 C;R34 N;R50/53
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3. HAZARDS IDENTIFICATION

Main hazards	Harmful in contact with skin and if swallowed. Causes burns. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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4. FIRST AID MEASURES

Skin contact	Causes burns. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	Move to fresh air. Consult a physician after significant exposure.
Ingestion	Rinse mouth. Do not induce vomiting. If conscious, drink plenty of water. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	alcohol-resistant foam carbon dioxide (CO2) dry chemical water spray
Extinguishing media which must not be used for safety reasons	high volume water jet
Specific hazards	Burning produces irritant fumes.
Special protective equipment for firefighters	In the event of fire, wear self contained breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition.
Environmental precautions	Avoid subsoil penetration. Prevent product from entering drains. Do not allow material to contaminate ground water system.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Keep away from heat and sources of ignition. Wear personal protective equipment. Use only in well-ventilated areas.
Storage	Keep tightly closed in a dry and cool place. Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure	Ensure adequate ventilation, especially in confined areas.
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	rubber gloves
Eye protection	If splashes are likely to occur, wear: face-shield Tightly fitting safety goggles
Skin and body protection	protective suit safety shoes Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	liquid
Colour	yellow
Odour	amine-like

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	strong acids and strong bases strong oxidizing agents
Hazardous decomposition products	carbon oxides nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful in contact with skin and if swallowed.
Primary irritation	Causes burns.
Sensitization	May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Persistence / degradability	Not inherently biodegradable.
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13. DISPOSAL CONSIDERATIONS

General Information	In accordance with local and national regulations.
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14. TRANSPORT INFORMATION**ADR/RID**

UN-No	2735	Packing group	III
Class	8	Hazard ID	80
Proper shipping name	AMINES, LIQUID, CORROSIVE N.O.S.		

IMO

UN-No	2735	Packing group	III
Class	8	Marine pollutant	.
EmS	F-A S-B		

IATA-DGR

UN-No	2735	Packing group	III
Class	8	packaging	820

15. REGULATORY INFORMATION**Symbol(s):**

C;N;

**R -phrase(s)**

R21/22 - Harmful in contact with skin and if swallowed.
 R34 - Causes burns.
 R43 - May cause sensitization by skin contact.
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S -phrase(s)

S24 - Avoid contact with skin.
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 - After contact with skin, wash immediately with plenty of .?
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION**Text of R phrases mentioned in Section 2**

R21 - Harmful in contact with skin.
 R22 - Harmful if swallowed.
 R34 - Causes burns.
 R43 - May cause sensitization by skin contact.
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other information

IT SHOULD BE NOTED THAT THIS PRODUCT IS INTENDED FOR USE WITH A RESIN 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

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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.