



## SAFETY DATA SHEET

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**HX672C/NC**

Issue date: 4 November 2002

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

**Product name** HX672C/NC  
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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components** 3-Aminomethyl-3,5,5-trimethylcyclohexylamine 50-60%  
CAS: 2855-13-2  
C; R21/22-34-43  
  
Benzyl alcohol 40-50%  
CAS: 100-51-6  
Xn; R20/22  
  
Xylene 0-0.5%  
CAS: 1330-20-7  
Xn; R20/21-38

### 3. HAZARDS IDENTIFICATION

**Main hazards** Harmful by inhalation, in contact with skin and if swallowed.  
Causes burns.  
May cause sensitization by skin contact.

### 4. FIRST AID MEASURES

**Skin contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call 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** If swallowed, seek medical advice immediately and show this container or label. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. If a person vomits when lying on his back, place him in the recovery position.

### 5. FIRE-FIGHTING MEASURES

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<b>Suitable extinguishing media</b>	water spray carbon dioxide (CO2) dry powder alcohol-resistant foam
<b>Extinguishing media which must not be used for safety reasons</b>	high volume water jet
<b>Specific hazards</b>	Fire may cause obnoxious, irritating, corrosive and toxic fumes to evolve.
<b>Special protective equipment for firefighters</b>	In the event of fire, wear self contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Contaminated surfaces will be extremely slippery.
<b>Environmental precautions</b>	Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Avoid contact with skin and eyes. Do not empty into drains. Handle and open container with care. In case of insufficient ventilation, wear suitable respiratory equipment. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store together with food, feedstuffs, fertilizers and other sensitive materials.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure limit(s)	Name	STD	TWA (ppm)	TWA (mgm3)	STEL (ppm)	STEL (mgm3)
	Xylene	OES	50	220	100	441
<b>Engineering measures to reduce exposure</b>	Ensure adequate ventilation, especially in confined areas.					
<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.					
<b>Hand protection</b>	nitrile rubber					
<b>Eye protection</b>	Avoid contact with eyes. If splashes are likely to occur, wear: tightly fitting safety goggles safety glasses with side-shields face-shield					
<b>Skin and body protection</b>	Avoid contact with skin, eyes and clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. 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>	ammoniacal
<b>Colour</b>	light yellow

**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 oxidizing agents strong acids and strong bases
<b>Hazardous decomposition products</b>	nitrogen oxides (NOx) carbon monoxide carbon oxides Ammonia gas may be liberated at high temperatures. nitrosamine smoke

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**11. TOXICOLOGICAL INFORMATION**

<b>Primary irritation</b>	Causes burns. Causes severe irritation of eyes, skin and mucous membranes. Irritating to respiratory system.
<b>Sensitization</b>	May cause sensitization of susceptible persons by skin contact.
<b>Repeated or prolonged exposure</b>	Prolonged skin contact may cause skin irritation and/or dermatitis.

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

**General Information** Dispose of in accordance with local regulations

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

<b>Proper shipping name</b>	ISOPHORONEDIAMINE		
<b>UN-No</b>	2289	<b>Class</b>	8
<b>Hazard ID</b>	80	<b>Packing group</b>	III
		<b>Labelling</b>	8

**IMDG-Code**

<b>UN-No</b>	2289	<b>Class</b>	8
<b>Marine pollutant</b>	NO	<b>Packing group</b>	III
<b>EmS</b>	8/05	<b>Labelling</b>	8

**IATA-DGR**

<b>UN-No</b>	2289	<b>Hazard ID</b>	8
			III
<b>Packing instruction (passenger aircraft)</b>	818	<b>Maximum quantity</b>	5 L
	820	<b>Maximum quantity</b>	60 L
<b>Class</b>	Y818	<b>Maximum quantity</b>	1 L
<b>Labelling</b>	8		

**15. REGULATORY INFORMATION**

<b>Symbol(s):</b>	C;
<b>R -phrase(s)</b>	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R34 - Causes burns. R43 - May cause sensitization by skin contact.
<b>S -phrase(s)</b>	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).

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**16. OTHER INFORMATION**

**Text of R phrases mentioned in Section 2** R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  
R34 - Causes burns.  
R43 - May cause sensitization by skin contact.

**User notes:** 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 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.

**Further information** When used in a mixture, read the labels and safety data sheets of all components.

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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.