SAFETY DATA SHEET
POLYURETHANE RESIN UR5598

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

PRODUCT NAME: POLYURETHANE RESIN UR5598

PART No.: EUR5598B

SUPPLIER:
H K WENTWORTH PTY LIMITED
P.O. BOX 339
BROOKVALE, NSW 2100
AUSTRALIA
Tel: 02 9938 1566
Fax: 02 9938 1566

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	CAS No.:	EINECS Nr.:	CLASSIFICATION	CONTENT
ISOPHORONE DIISOCYANATE	4098-71-9	223-861-6	T ,N R-23, 36/37/38, 42/43, 51/53	5-10 %
METHYLENEDIPHENYL DIISOCYANATE	26447-40-5	247-714-0	Xn R-20, 36/37/38, 42/43	30-60 %
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	9016-87-9		Xn R-20, 36/37/38, 42	5-10 %

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

3. HAZARDS IDENTIFICATION:

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

HAZARDOUS SUBSTANCE: DANGEROUS GOODS

4. FIRST AID MEASURES:

GENERAL: NOTE! Effects may be delayed. Keep affected person under observation.

INHALATION: Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues. If respiratory problems, artificial respiration/oxygen.

INGESTION: DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention immediately!

SKIN: Remove affected person from source of contamination. Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Fire can be extinguished using: Water spray, fog or mist. Foam. Powder.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing fire vapours. Use pressurized air mask if substance is involved in a fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: Fire causes formation of toxic gases. Risk of explosion if pressure increases.

HAZARDOUS COMBUSTION PRODUCTS: Fire creates: Irritating gases/vapors/fumes of: Hydrogen cyanide (HCN). Nitrous gases (NOx).

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: In handling of spillage, please also consult the section detailing protective measures. Wear necessary protective equipment. Stop leak if possible without risk. Make a slurry with water and absorb onto an inert material. Place in a closed container. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS: Persons with impaired lung functions should not handle this preparation. Persons susceptible for allergic reactions should not handle this product. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS: Keep in original container. Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	9016-87-9	MEL	0.02 mg/m3	0.07 mg/m3
ISOPHORONE DIISOCYANATE	4098-71-9	MEL	0.02 mg/m3(Sen)	0.07 mg/m3(Sen)
METHYLENEDIPHENYL DIISOCYANATE	26447-40-5	MEL	0.02 mg/m3(Sen)	0.07 mg/m3(Sen)

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: Respiratory protection must be used if air concentration exceeds acceptable level. SCBAF,PD,PP, Self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

PROTECTIVE GLOVES: Use protective gloves made of: Rubber, neoprene or PVC.

EYE PROTECTION: Use approved safety goggles or face shield.

OTHER PROTECTION: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENIC WORK PRACTICES: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before

eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Viscous. Liquid.		
COLOUR:	Amber.		
ODOUR/TASTE:	Musty (mouldy).		
MELT./FREEZ. POINT (°C, interval):	<15		
DENSITY/SPECIFIC GRAVITY (g/ml):	1.21	**Temperature (°C):**	
VAPOUR PRESSURE:	1300 kPa	**Temperature (°C):**	25
VISCOSITY (interval):	550 mPas	**Temperature (°C):**	25
SOLUBILITY DESCRIPTION:	Insoluble in water.		
FLASH POINT (°C):	>200	**Method:**	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	>530		

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers. Reacts strongly with strong acids, bases, organic chemicals and certain metal combinations.
HAZARDOUS DECOMP. PRODUCTS:	High temperatures generate: Toxic gases/vapours/fumes of: Carbon dioxide (CO2). Carbon monoxide (CO). Hydrogen cyanide (HCN).

11. TOXICOLOGICAL INFORMATION:

INHALATION:	Toxic by inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. May cause sensitisation by inhalation.
INGESTION:	May cause stomach pain or vomiting.
SKIN:	May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation.
EYES:	Irritating to eyes.
OTHER HEALTH EFFECTS:	This substance has no evidence of carcinogenic properties.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Dangerous for the environment if discharged into watercourses.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION:

ADR CLASS: Not classified for transportation.

MARINE POLLUTANT: No.

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

RISK PHRASES:
R-23 Toxic by inhalation.
R-36/37/38 Irritating to eyes, respiratory system and skin.
R-42/43 May cause sensitisation by inhalation and skin contact.
R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES:
P-4 Contains isocyanates. See information supplied by the manufacturer.
S-23 Do not breathe gas/fumes/vapour/spray.
S-24/25 Avoid contact with skin and eyes.
S-37 Wear suitable gloves.
S-38 In case of insufficient ventilation, wear suitable respiratory equipment.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

EU DIRECTIVES: Dangerous Substance Directive 67\548.

16. OTHER INFORMATION:

USER NOTES: CN No 39095090

REVISION COMMENTS: Revised in accordance with CHIP3 and EU Directive 1999/45/EC

ISSUED BY: Helen O'Reilly

REVISION DATE: MAY 2003

REV. No./REPL. SDS GENERATED: 0

SDS No.: 10996

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 unless specified in the text. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification

R-PHRASES (Full Text): R-20 Harmful by inhalation. R-36/37/38 Irritating to eyes, respiratory system and skin. R-42 May cause sensitisation by inhalation. R-23 Toxic by inhalation. R-42/43 May cause sensitisation by inhalation and skin contact. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.