

SAFETY DATA SHEET

Page 1 of 4

Clear PU 50 Hardener Part B

Revision 2
Revision date July 2011

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name **Clear PU 50 Hardener Part B**
Company **ABL STEVENS Ltd**
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Sandbach, Cheshire
CW11 3HT
United Kingdom
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2 HAZARDS IDENTIFICATION.

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

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	BIINECS	Symbols/Risk phrases
dicyclohexylmethan-4,4'-di-isocyanate	50 - 100%	5124-30-1	225-863-2	T; R23 Xi; R36/37/38 R42/43
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	1 - 30%	4098-71-9	223-861-6	T; R23 Xi; R36/37/38 R42/43 N; R51/53

4. FIRST AID MEASURES

Skin contact **Toxic in contact with skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention.**

Eye contact **May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.**

Inhalation **Toxic by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.**

Ingestion **Toxic if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.**

5. FIRE FIGHTING MEASURES

Extinguishing media **Carbon oxides. Alcohol resistant foam.**

Fire hazards **Burning produces irritating, toxic and obnoxious fumes.**

Protective equipment **Wear: Self-contained breathing apparatus. Wear chemical protective clothing.**

Print date July 2011

Clear PU 50 Hardener Part B

Revision 2
Revision date July 2011**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Self-contained breathing apparatus must be used in handling.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Clear.
Odour	Slight.
Relative density	1.07
Viscosity	30 mPa.s (25°C)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
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11. TOXICOLOGICAL INFORMATION

Toxicological information

dicyclohexylmethan-4,4'-di-isocyanate	Oral Rat LD50 = >11000 mg/kg Dermal Rabbit LD50 = >10000 mg/kg Inhalation Rat LC50/4 h = 434 mg/m ³
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	Oral Rat LD50 = 5490 mg/kg Inhalation Rat LC50/4 h = 0.04 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

dicyclohexylmethan-4,4'-di-isocyanate	Algae EC50/72h = >5.0 mg/l Daphnia EC50/48h = >=8.3 mg/l g/l
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13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
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Clear PU 50 Hardener Part B

Revision 2
Revision date July 2011

14. TRANSPORT INFORMATION

ADR/RID

UN 2206 Packing group III
 Class 6.1 Hazard ID 60
 Proper Shipping Name ISOCYANATES, TOXIC, N.O.S.

IMDG

UN 2206 Packing group III
 Class 6.1 Marine pollutant
 Ems Code F-A S-A

IATA

UN 2206 Packing group III
 Class 6.1 Subsidiary risk-
 Packing Instruction 618 Maximum quantity 220 L
 (Cargo)
 Packing Instruction 611 Maximum quantity 60 L
 (Passenger)

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols T - Toxic

Risk phrases



R23 - Toxic by inhalation.
 R36/38 - Irritating to eyes and skin.
 R42/43 - May cause sensitisation by inhalation and skin contact.
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S22 - Do not breathe dust.
 S23 - Do not breathe gas/fumes/vapour/spray.
 S24 - Avoid contact with skin.
 S36/37 - Wear suitable protective clothing and gloves.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Clear PU 50 Hardener Part B

Revision 2
Revision date July 2011

16. OTHER INFORMATION

Text of risk phrases in
Section 3.

R23 - Toxic by inhalation.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R42/43 - May cause sensitisation by inhalation and skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

Revision

This document differs from the previous version in the following areas:
15 - symbols.
16 - text of risk phrases in Section 2.