

Permaflex B Pouring Grade HARDENER

HEALTH & SAFETY
DATASHEET ISSUE 1.1
12 MAY 2008

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY

PRODUCT NAME: Permaflex B Pouring Grade Hardener

MANUFACTURER: Permaban Limited
Mill Close
Lee Mill Industrial Estate
Ivybridge
Devon
PL21 9GL

TEL: +44(0)1752 895288

FAX: +44(0)1752 690535

EMAIL: info@permaban.com

EMERGENCY: 999 or 112

2. COMPOSITION/INFORMATION ON INGREDIENTS

DIPHENYLMETHANEDIISOCYANATE, Isomers and homologues. (90-100%)
CAS: 9016-87-9

3. HAZARDS IDENTIFICATION

R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R42 May cause sensitisation by inhalation.

4. FIRST AID MEASURES

GENERAL: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

INHALATION: Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Seek medical advice.

INGESTION: If accidentally swallowed, seek immediate medical attention. Drink 1 to 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Seek medical attention if irritation persists.

EYE CONTACT: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes while holding the eyelids apart. Seek medical advice.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
Recommended: Dry chemical, sand, alcohol resistant foam, carbon dioxide (CO₂).
Do NOT use: Water Jet.

RECOMMENDATIONS:
Fire will produce highly toxic or corrosive fumes, all persons engaged in fire fighting must wear self-contained breathing apparatus.

Permafex B Pouring Grade

HARDENER

HEALTH & SAFETY
DATASHEET ISSUE 1.1
12 MAY 2008

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment. Evacuate personnel to a safe area. Ensure adequate ventilation of the working area. Surfaces contaminated by the product will become slippery. Do not let the product contaminate the subsoil. Do not allow the product to enter drains. Prevent further spillage if safe. Do not flush into surface water. Absorb with inert, absorbent material. Clean spillage area thoroughly with plenty of water.

7. HANDLING & STORAGE

HANDLING:

Avoid contact with eyes and skin. Do not breath gas/fumes/vapour/spray. Do not eat, drink or smoke in areas where this product is used or stored. Open container carefully. Avoid sparks, flames, heat and sources of ignition. Ensure adequate ventilation of the working area. Wear suitable protective equipment. Take precautionary measures against static discharges.

STORAGE:

Store at temperatures between 15°C and 25°C. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Do not store with acids.

SUITABLE PACKAGING:

Stainless steel containers. Mild steel containers.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

ENGINEERING MEASURES:

Ensure adequate ventilation of the working area.

RESPIRATORY PROTECTION:

Wear suitable respiratory equipment.

HAND PROTECTION:

Chemical resistant gloves (PVC/plastic).

EYE PROTECTION:

Face shield. Safety glasses or approved safety goggles.

SKIN PROTECTION:

Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing. Wash all contaminated clothing before reuse. Apron (plastic or rubber).

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Brown liquid	BOILING POINT:	300°C
RELATIVE DENSITY:	1.23	FLASH POINT:	110°C
ODOUR:	Characteristic		

10. STABILITY & REACTIVITY

Stable under normal conditions.

Avoid heat, sparks and naked flames. Contact with strong acids will produce an exothermic reaction. Avoid acids, oxidising agents and bases. In the event of fire, hazardous decomposition products will be; carbon oxides, isocyanides, ammonia, hydrogen cyanide and nitrogen oxides.

Permaflex B Pouring Grade

HARDENER

HEALTH & SAFETY
DATASHEET ISSUE 1.1
12 MAY 2008

11. TOXICOLOGICAL INFORMATION

Harmful by inhalation, in contact with skin and if swallowed. Asthma sufferers should not work with isocyanates. May cause dizziness and headache. Irritating to respiratory system and skin. May cause irritation to skin, eyes and mucous membranes. Causes burns. May cause sensitisation by inhalation and skin contact. Repeated or prolonged exposure may cause asthma and eczema.

12. ECOLOGICAL INFORMATION

Acute daphnia toxicity: EC50=1000mg/l 24H.
Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Can be incinerated if in compliance with local and national regulations.

DISPOSE OF IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS

Further information on disposal methods and contractors is available from the National Association of Waste Disposal Contractors tel: 0207 824 8882/fax: 0207 824 8753.

14. TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the CHIP Regulations 2002 (SI No. 2002/1689) as follows:



XN HARMFUL

- R20 HARMFUL BY INHALATION.
R36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
R42 MAY CAUSE SENSITISATION BY INHALATION.
S22 DO NOT BREATHE DUST.
S23 DO NOT BREATHE GAS/VAPOUR/SPRAY.
S45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE).
S63 IN CASE OF ACCIDENT BY INHALATION: REMOVE CASUALTY TO FRESH AIR AND KEEP AT REST.

16. OTHER INFORMATION

THIS SAFETY DATA SHEET FOLLOWS THE REQUIREMENTS OF DIRECTIVE 93/112/EEC. THE INFORMATION CONTAINED HEREIN IS CORRECT TO THE BEST OF OUR KNOWLEDGE AT THE DATE OF PUBLICATION AND NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, INJURY OR DAMAGE RESULTING FROM ITS USE. IT IS INTENDED AS A GUIDE FOR THE SAFE HANDLING, STORAGE AND USE UNDER NORMAL CONDITIONS, BUT IT DOES NOT NECESSARILY REFER TO THE PARTICULAR REQUIREMENT OF THE CUSTOMER WHEN FURTHER ADVICE SHOULD BE OBTAINED