

PermaSeal PuWB

Water based cure & seal

HEALTH & SAFETY
DATASHEET ISSUE 1.1
14 MAY 2008

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY

PRODUCT NAME: PermaSeal PuWB

USE: Water based membrane forming liquid, curing, sealing, dust-proofing & concrete hardening agent.

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

<u>Hazardous Ingredients</u>	<u>EEC No</u>	<u>CAS No</u>	<u>Content</u>	<u>Classification</u>	<u>R Phrases</u>
Triethylamine	204-469-4	121-44-8	< 2%	F C Xn	R11-20 R21 R22-35

Hazardous ingredients are in quantities too low to require classification of the product under the CHIP Regulations

3. HAZARDS IDENTIFICATION

See section 15

4. FIRST AID MEASURES

INHALATION: Remove to fresh air, keep warm and at rest. Give nothing by mouth.

INGESTION: If swallowed drink plenty of clean water and seek medical advice. Keep at rest. Do not induce vomiting. If taken into mouth and not swallowed, swill with clean water.

SKIN: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Seek medical attention if irritation persists after washing. Do not use solvents or thinners.

EYES: Promptly wash eyes with plenty of water while lifting the eyelids. Seek immediate medical attention and continue to rinse the eye(s). Eyewash stations should be available wherever the product is stored or used. Contact lenses should be removed.

PermaSeal PuWB

Water based cure & seal

HEALTH & SAFETY
DATASHEET ISSUE 1.1
14 MAY 2008

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Powder, foam or CO2. Do not use water.

A solid stream of water directed into hot burning liquid can cause splattering.

SPECIAL FIRE FIGHTING PROCEDURES:

Keep upwind to avoid fumes. Air-fed breathing apparatus is advised.

EXPOSURE HAZARDS:

Not flammable, but after evaporation could emit carbon (sooty) deposits and carbon monoxide and dioxide. Cool closed, exposed containers with water spray. Do not allow run off to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear protective equipment as specified in section 8. Avoid contact with eyes. Avoid skin contact and/or ingestion of liquid or vapours. See "EXPOSURE CONTROLS/PERSONAL PROTECTION"

ENVIRONMENTAL PRECAUTIONS:

Avoid material entering any site drainage system. Avoid discharge to sewers or natural waters.

CLEAN UP PROCEDURES:

Collect for disposal. Scrape, soak or wipe bulk. Residue may be removed by detergent, avoid the use of solvent.

Avoid using anything mentioned in section 10 "MATERIALS TO AVOID".

See "DISPOSAL CONSIDERATIONS".

7. HANDLING & STORAGE

USAGE PRECAUTIONS:

Do not breathe fumes/vapour/spray.

Provide adequate ventilation, including forced ventilation in confined spaces such as tanks, etc. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation, wear suitable respiratory equipment. Persons with a history of skin sensitisation problems should not be employed in a situation where skin contact with this product could occur, nor should those with asthma or similar disorders be exposed to the vapour or spray mist.

Good standards of industrial and personal hygiene should be observed.

STORAGE PRECAUTIONS:

Containers should always be kept upright and tightly sealed to avoid leaking. Open only when ready for use and reseal part used containers after they have been opened. Store in a correctly labelled container, preferably the original transport vessel. Do not allow to freeze.

PermaSeal PuWB

Water based cure & seal

HEALTH & SAFETY
DATASHEET ISSUE 1.1
14 MAY 2008

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS EH40/00

(Check current edition of EH40 to ensure limits have not changed).

INGREDIENT	OCCUPATIONAL EXPOSURE STANDARD (OES)REFERENCE PERIOD				MAXIMUM EXPOSURE LIMIT (MEL)REFERENCE PERIOD			
	8hr TWA		15min STEL		8hr TWA		15min STEL	
	ppm	mg/mJ	ppm	mg/mJ	ppm	mg/mo	ppm	mg/mJ
triethylamine	10	42	15	63	n/a	n/a	n/a	n/a

TWA= Time Weighted Average

STEL= Short Term Exposure Limit

RESPIRATORY:

If the measures detailed in section 7 "HANDLING" are not sufficient to maintain concentration of particulate and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory equipment as shown below should be worn.

INTERIOR USE:

Particle mask if spraying, to conform to approval number EN149

INSIDE TANKS OR SIMILAR CONFINED SPACES:

Organic vapour respirator to conform to approval number EN405

This applies not only to the user, but to all people who cannot be vacated from the work area.

HAND:

Use protective gloves. Suitable types are PVC, neoprene or nitrile. Other types may be available and used, avoid those which soak up the product and lead to skin contact. If in doubt seek advice from a reputable manufacturer. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

EYE:

Eye protection designed to protect against liquid splashes should be worn (e.g. Complete enclosure of the eyes to conform to BS 2092 Chemical Grade).

SKIN:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

ALL PERSONAL PROTECTION EQUIPMENT SELECTED MUST MEET COSHH REGULATIONS.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Translucent liquid	pH:	8-9
ODOUR/TASTE:	Slightly ammoniacal	SPECIFIC GRAVITY:	1.03 @20°C
SOLUBILITY:	Miscible	FLASH POINT:	>100°C
VISCOSITY:	ca 90-mPa.s @25°C	FLAMMABILITY:	Water based product
BOILING POINT:	circa 100°C	%NVC:	40% w/w

PermaSeal PuWB

Water based cure & seal

HEALTH & SAFETY
DATASHEET ISSUE 1.1
14 MAY 2008

10. STABILITY & REACTIVITY

STABILITY:	Normally stable (see "HANDLING & STORAGE")
CONDITIONS TO AVOID:	Do not freeze
MATERIALS TO AVOID:	Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon (sooty) deposits plus carbon monoxide, dioxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

INHALATION:	Can cause distress, especially when used in confined/unventilated areas.
SKIN:	May be an irritant to sensitive skins.
EYE:	Irritating to eyes.
INGESTION:	If swallowed would cause discomfort.

The engineering controls and personal protection equipment advised in this safety data sheet are to ensure the occupational exposure limits are not exceeded. Should this happen to anybody within the affected area, there could be delayed adverse health effects.

12. ECOLOGICAL INFORMATION

There is no data on the product itself but it should not be allowed to enter drains or watercourses.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the regulations made under the Control of Pollution Act and the Environmental Protection Act. (Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special regulations apply). It is recommended that any surplus of the product should be disposed of by incineration.

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

Not classified as hazardous for transport

15. REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION:	Not classified
RISK PHRASES:	None
SAFETY PHRASES:	S39 Wear eye/face protection

Occupational exposure limits are advised in publication EH40 from the HSE for the purpose of Regulation 7(1) of COSHH guidance.

PermaSeal PuWB

Water based cure & seal

HEALTH & SAFETY
DATASHEET ISSUE 1.1
14 MAY 2008

16. OTHER INFORMATION

TRAINING ADVICE:

Do not use unless trained to do so.

RECOMMENDED USES:

The product is only supplied for use in accordance with uses listed in section 1.

DATA SOURCES:

EH40/00 Occupational Exposure Limits 2000.
Control of Substances Hazardous to Health (COSHH) Regulations 1988 (consolidated Jan'95).

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

