

# Permaflex C

Part B

HEALTH & SAFETY  
DATASHEET ISSUE 1.1  
14 MAY 2008

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

**PRODUCT NAME:** Permaflex C  
**PRODUCT N°:** ER2151  
**MANUFACTURER:** Permaban Limited  
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Lee Mill Industrial Estate  
Ivybridge  
Devon  
PL21 9GL

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**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>Symbols</u>	<u>R Phrases</u>
Isophorone Diamine	220-666-8	2855-13-2	>30%	C	R21/22 R34 R43
Mix of naphthalene & alkyl naphthalenes	271-260-2	68527-18-4	>30%	Xi	R36/38
Nonyl phenol	n/l	25154-52-3	<30%	Xn	R22 R36/37/38
NON-HAZARDOUS CONSTITUENTS			<10%		

## 3. HAZARDS IDENTIFICATION

Harmful.

Harmful in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact.  
Risk of serious damage if splashed into eyes.

## 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air, keep the patient warm and at rest. Seek medical attention.

**INGESTION:** Seek medical attention (hospital) immediately. Mouth may be washed out with water.

**SKIN CONTACT:** Wash off with proprietary skin cleanser or glycerine, then soap and water.  
Launder contaminated clothes.

**EYE CONTACT:** Immediately flush with water for 15 minutes.  
If there are burns or irritation occurs and persists seek medical attention.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**  
Recommended: Water fog. Foam. Dry powder. CO<sub>2</sub>  
DO NOT USE: Water Jet.

This product is non-flammable but is combustible. May produce toxic or irritating vapours including PCA's, sulphur and nitrogen oxides during combustion. Breathing apparatus should be worn. Expended liquids from fire fighting should be disposed of properly.

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## 6. ACCIDENTAL RELEASE MEASURES

Wipe, scrape or soak up in an absorbent material and transfer to suitable disposal container. Avoid entry into drains or waterways. Wear appropriate protective clothing. Contact local authorities if large quantities enter drains or waterways.

## 7. HANDLING & STORAGE

### HANDLING:

Avoid contact with eyes and skin. In accordance with good industrial hygiene practices do not eat, drink or smoke when handling this material. Do not breath vapours.

### STORAGE:

Keep away from all sources of ignition. Keep in a cool place. If not all used, reseal container after use.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

Normal good room ventilation should be sufficient. In poorly ventilated areas, an organic cartridge mask is recommended.

### HAND & EYE PROTECTION:

Gloves and eye protection are recommended. Overalls are recommended. Overalls are recommended if contact is likely.

### OCCUPATIONAL EXPOSURE LIMIT:

Contains no listed materials.

## 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Brown, Mobile Liquid	DENSITY:	0.93g/ml
FLASH POINT:	>100°C	pH:	11.6
BOILING POINT:	247°C	MELTING POINT:	10°C
VAPOUR PRESSURE:	0.02 mbar approx.	VAPOUR DENSITY:	n/d
SOLUBILITY:	Immiscible	VISCOSITY:	12 poise @ 25°C
AUTO IGNITION POINT:	380°C	EXPLOSIVE LIMITS:	1% Lower

## 10. STABILITY & REACTIVITY

Stable under normal conditions.

Reacts exothermically with epoxy resins and acids.

Will not decompose under normal conditions or at ambient temperatures. Avoid naked flames in order to avoid the formation of toxic fumes. Avoid oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

Isophorone diamine - LD50 oral, rat 1030 mg/kg.

See section 3.

## 12. ECOLOGICAL INFORMATION

Hydrocarbon blend containing PCA's will not bio-degrade in anaerobic conditions and hence can be persistent. It contains components which have a high potential to bioaccumulate. It is expected to be toxic to fish.

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### 13. DISPOSAL CONSIDERATIONS

Do not empty into drains or waterways.

**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

<b>PROPER SHIPPING NAME:</b>	Isophoronediamine mix	<b>PACKAGING GROUP:</b>	III
<b>UN NUMBER:</b>	2289	<b>IMDG CLASS:</b>	8
<b>IMDG CODE:</b>	8188	<b>RID/ADR:</b>	8, 53(c)
<b>ICAO/IATA CLASS:</b>	8	<b>CN N°:</b>	39073000
<b>MARINE POLLUTANT:</b>	No		
<b>HAZARD WARNING:</b>	Corrosive		

### 15. REGULATORY INFORMATION

**SYMBOLS:**

St. Andrews Cross

**HAZARD:**

Harmful

**CONTAINS:**

Naphthalene & alkyl naphthalenes.

### 16. OTHER INFORMATION

Risk phrases in full:

R20/21 - Harmful in contact with skin and by inhalation.

R34 - Causes burns.

R43 - May cause sensitisation by skin contact.

R53 - May cause long-term adverse effects to aquatic organisms

Safety phrases in full:

S24 - Wash with proprietary cleaner and seek medical advice after contact with skin.

S26 - In case of contact with eyes, rinse with plenty of water and seek medical advice.

S36/37/38 - Wear suitable protective clothing, gloves, eye/face protection.

Please also read safety data sheet for part A before use.

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

