

# SAFETY DATA SHEET

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## Permabond ES558

Revision 0

Revision date 9-Oct-2006

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

Product name Permabond ES558

Company Permabond Engineering Adhesives Ltd

Wessex Business Park

Wessex Way
Colden Common
Hampshire
SO21 1WP
United Kingdom

**Telephone** +44 (0)1962 711661 **Fax** +44 (0)1962 711662

Intended use Adhesives.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

Conc. CAS EINECS Symbols/Risk phrases

Bisphenol A-(epichlorhydrin) (reaction product) 50 - 100% 25068-38-6 500-033-5 Xi; R36/37/38 R43 N; R51/53

## 3. HAZARDS IDENTIFICATION

Main hazards Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic

organisms, may cause long-term adverse effects in the aquatic environment.

**Personal precautions** No precautions required to be mentioned.

### 4. FIRST AID MEASURES

**Skin contact** Wash with soap and water. If symptoms develop, obtain medical attention.

**Eye contact** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Get

medical attention if irritation persists.

Inhalation Move the exposed person to fresh air. If symptoms develop, obtain medical attention.Ingestion Treat symptomatically and supportively. If symptoms develop, obtain medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing media Carbon dioxide (CO2) Dry chemical. Foam. Water spray.

Fire hazards Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon

dioxide, and unknown hydrocarbons.

**Protective equipment** Wear: Self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear suitable protective equipment.

Environmental precautions Do not allow product to enter drains.

Clean up methods Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled

containers for disposal.

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### 7. HANDLING AND STORAGE

Handling Avoid contact with eyes and skin. Wear suitable protective equipment.

**Storage** Keep in a cool, dry, well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection** Not normally required.

Hand protection Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves

should not be worn. Gloves should conform to EN 374.

**Eye protection** Safety glasses, goggles or face shield to protect against splashing. Personal eye

protection should conform to EN 166

Protective equipment Employee must wear appropriate protective clothing and equipment to prevent any

possibility of skin contact with this substance. Wash before eating, drinking, or using

toilet facilities.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

DescriptionPaste.ColourGrey.OdourSlight.Flash point>100°CRelative density1.5

Water solubility insoluble in water.

Viscosity ~190000 mPa.s

### 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.

Materials to avoid Amines. Oxidising agents. Acids. Bases.

Hazardous decomposition Thermal decomposition could produce carbon monoxide, carbon dioxide, and

**products** unidentified organic compounds.

### 11. TOXICOLOGICAL INFORMATION

**Corrosivity** Irritating to eyes, respiratory system and skin.

**Sensitization** May cause sensitisation by skin contact.

Mutagenic effects None known .

Carcinogenic effects None known .

Further information The toxicological properties of this product have not been fully evaluated. Use of good

industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not

ingest or inhale.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic organisms. **Degradability** Not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

General information Waste disposal should be in accordance with existing Community, National and local

regulations.

Disposal of packaging Empty containers may contain product residue; follow SDS and label warnings even

after they have been emptied.

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### 14. TRANSPORT INFORMATION

ADR/RID

UN 3082 Packing group III
Class 9 Hazard ID 90

Proper Shipping ENVIRONMENTALLY Name HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (contains epoxy

resin)

**IMDG** 

UN 3082 Packing group III
Class 9 Marine pollutant .

EmS Code F-A S-F

**IATA** 

UN 3082 Packing group III
Class 9 Subsidiary risk -

Packing Instruction 914 Maximum quantity NO LIMIT

(Cargo)

Packing Instruction 914 Maximum quantity NO LIMIT

(Passenger)

## 15. REGULATORY INFORMATION

Symbols Xi - Irritant; N - Dangerous for the environment



**Risk phrases** R36/38 - Irritating to eyes and skin.

R43 - May cause sensitisation by skin contact.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

Safety phrases S24 - Avoid contact with skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S37 - Wear suitable gloves.

Product contains Epoxy Resin (Molecular weight <=700)

### 16. OTHER INFORMATION

Text of risk phrases in

R36/37/38 - Irritating to eyes, respiratory system and skin.

Section 2

R43 - May cause sensitisation by skin contact.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

General information Directives 1999/45/EC and 91/155/EEC have been considered when compiling this

SDS. The information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability

for specific uses.