

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: Epoxy Floor Coating – HB – Base  
 Product code: ERFCGHB5

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

Company name: Permagard Products Ltd  
 Unit B2 – B5 Worthy Road  
 Chittening Industrial Estate  
 Avonmouth  
 Bristol  
 BS11 0YB  
 Tel: 0117 982 3282  
 Fax: 0117 938 1584  
 Email: Sales@permagard.co.uk

#### 1.4. Emergency telephone number

Emergency tel: 0117 982 3282  
 Monday to Friday  
 9am – 5pm

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2:  
 H411; Eye Irrit. 2:  
 H319; Skin Irrit. 2:  
 H315; Skin Sens. 1:  
 H317; STOT  
 RE 1: H372

Most important adverse effects: Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 Causes damage to organs through prolonged or repeated exposure.  
 Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Label elements:  
 Hazard statements: H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H372: Causes damage to organs through prolonged or repeated exposure.  
 H411: Toxic to aquatic life with long lasting effects.  
 Hazard pictograms: GHS07: Exclamation mark  
 GHS08: Health hazard  
 GHS09: Environmental



Signal words: Danger  
 Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352:	IF ON SKIN:	Wash with plenty of water/.
P305+351+338:	IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314:	Get medical attention if you feel unwell.	
P321:	Specific treatment (see instructions on this label).	

### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Hazardous ingredients:

#### SILICA FLOUR

EINECS	CAS	PBT / WEL	CLP Classification	Percent
238-878-4	14808-60-7	-	STOT RE 1: H372	30-50%

#### BISPHENOL A-(EPICHLORHYDRIN) (REACTION PRODUCT)

500-033-5	25068-38-6	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10-30%
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#### PHENOL FORMALDEHYDE POLYMER GLYCIDYL ETHER

500-006-8	9003-36-5	-	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	10-30%
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#### BENZYL ALCOHOL - REACH registered number(s): 01-2119492630-38-XXXX

202-859-9	100-51-6	-	Acute Tox. 4: H332; Acute Tox. 4: H302	1-10%
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#### OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES

271-846-8	68609-97-2	-	Skin Irrit. 2: H315; Skin Sens. 1: H317	1-10%
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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Skin contact:	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Do not induce vomiting. Wash out mouth with water.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so.

### 4.2. Most important symptoms and effects, both acute and delayed

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	No symptoms.
Delayed / immediate effects:	Delayed effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment:	Eye bathing equipment should be available on the premises.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Extinguishing media:	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
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### 5.2. Special hazards arising from the substance or mixture

Exposure hazards:	In combustion emits toxic fumes.
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### 5.3. Advice for fire-fighters

Advice for fire-fighters:	Wear self-contained breathing apparatus.
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Wear protective clothing to prevent contact with skin and eyes.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

#### 6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.  
Contain the spillage using bunding.

#### 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand.  
Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### 6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.  
Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

#### 7.3. Specific end use(s)

Specific end use(s): PC9a: Coatings and paints, thinners, paint removers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Hazardous ingredients:

SILICA FLOUR

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	-	-	0.1 mg/m <sup>3</sup>	-

#### DNEL/PNEC Values

DNEL / PNEC No data available.

#### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Nitrile gloves.

Eye protection: Safety glasses.  
Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Grey

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Insoluble

Viscosity: Viscous

Boiling point/range°C: >35

Flammability limits %: lower: No data available.

Flash point°C: >93

Autoflammability°C: No data available.

Relative density: 1.6 g/cm<sup>3</sup>

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: No data available.

VOC g/l: 114 g/l

### 9.2. Other information

Other information: No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong bases.  
Strong oxidising agents.  
Amines.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Hazardous ingredients:

#### BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

Route	Species	Endpoint	Value	Unit
ORL	MUS	LD50	15600	mg/kg
ORL	RAT	LD50	11400	mg/kg
SKN	RBT	LD50	>20	ml/kg

#### BENZYL ALCOHOL

Route	Species	Endpoint	Value	Unit
IVN	RAT	LD50	53	mg/kg
ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

#### OXIRANE, MONO[(C12-14ALKYLOXY)METHYL] DERIVATIVES

Route	Species	Endpoint	Value	Unit
ORL	RAT	LD50	17100	mg/kg

#### Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

### Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.  
 Eye contact: There may be irritation and redness.  
 Ingestion: There may be soreness and redness of the mouth and throat.  
 Inhalation: No symptoms.  
 Delayed / immediate effects: Delayed effects can be expected after short-term exposure.  
 Other information: Not applicable.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values: No data available.

### 12.2. Persistence and degradability

Persistence and degradability: No data available.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

### 12.4. Mobility in soil

Mobility: No data available.

### 12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

Other adverse effects: No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.  
 Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.  
 NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: Transport information

### 14.1. UN number

UN number: UN3082

### 14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

Transport class: 9

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

Environmentally hazardous: Yes Marine pollutant: No

### 14.6. Special precautions for user

Tunnel code: E

Transport category: 3

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

### 15.2. Chemical Safety Assessment

## SECTION 16: Other information

### Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No453/2010.

\* indicates text in the SDS which has changed since the last revision.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No1272/2008.

Phrases used in s.2 and s.3:

H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H332: Harmful if inhaled.  
 H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
 H411: Toxic to aquatic life with long lasting effects.

### Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.