

## Ecoguard HB Coloured Resin

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier**

<b>Product name</b>	Ecoguard HB Coloured Hardner
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**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Description</b>	Restricted to professional users. Component Of A Two Pack Epoxy Flooring Coating.
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**1.3. Details of the supplier of the safety data sheet**

<b>Company</b>	RMSuppliers
<b>Address</b>	38 High Street North Langley Moor Durham DH7 8JG
<b>Web</b>	www.rmsuppliers.com
<b>Telephone</b>	01913897067
<b>Fax</b>	
<b>Email</b>	sales@rmsuppliers.com
<b>Email address of the competent person</b>	


**1.4. Emergency telephone number**

<b>Emergency telephone number</b>	+44 (0)1422 379131 9.00am to 5.00pm Mon - Fri
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**SECTION 2: Hazards Identification****2.1. Classification of the substance or mixture**

<b>2.1.1. Classification - 1999/45/EC</b>	C; R34 Xn; R20/22 Xi; R43 Symbols: C: Corrosive.
<b>Main hazards</b>	Harmful by inhalation and if swallowed. Causes burns. May cause sensitisation by skin contact.
<b>2.1.2. Classification - EC 1272/2008</b>	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 4: H413;

**2.2. Label elements**

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.

**2.2. Label elements**

<b>Precautionary Statement: Prevention</b>	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to local and national regulations

**2.3. Other hazards**

<b>Other hazards</b>	No data available.
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**SECTION 3: Composition/Information on Ingredients****3.2. Mixtures****67/548/EEC / 1999/45/EC**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A-(epichlorohydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	20 - 30%	X; R36/38 R43 N; R51/53	
Bisphenol F - epichlorohydrin resin with Number Average Molecular Weight < 700		9003-36-5		01-2119454392-40	10 - 20%		
Glycidylether of a C12/C14-alcohol mixture		68909-97-2	271-846-8	01-2119485289-22	1 - 10%		

**EC 1272/2008**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A-(epichlorohydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	20 - 30%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Flush Immediately eye thoroughly with clean water. Consult a physician immediately if irritation persists.
<b>Skin contact</b>	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. Get medical attention if irritation persists after washing.
<b>Ingestion</b>	DO NOT induce the patient to vomit, medical advice is required.

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

<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	DO NOT INDUCE VOMITING.

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

<b>Inhalation</b>	Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.

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

Ingestion	Seek medical attention if irritation or symptoms persist.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

	Carbon dioxide (CO2). Foam. Water spray, fog or mist.
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**5.2. Special hazards arising from the substance or mixture**

	Fire will produce dense black smoke.
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**5.3. Advice for firefighters**

	Wear suitable respiratory equipment when necessary. Protective equipment.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.
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**6.2. Environmental precautions**

	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
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**6.3. Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material.
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**6.4. Reference to other sections**

	Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.
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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

	Avoid prolonged skin contact. After contact with skin, wash immediately with plenty of water and soap.
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**7.2. Conditions for safe storage, including any incompatibilities**

	Store in original container.
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**7.3. Specific end use(s)**

	The identified uses for this product are detailed in Section 1.2.
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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

	Are listed on the following items according to where it is going to be used.
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**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

	Ensure adequate ventilation of the working area.
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**Eye / face protection**

	safety glasses with side-shields.
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**Skin protection - Handprotection**

	Wear suitable gloves.
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**Skin protection - Other**

	Wear suitable protective clothing.
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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Various
<b>Odour</b>	Mild
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	No data available

**9.2. Other information**

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	Not applicable.
<b>Lead content</b>	Not applicable.
<b>VOC (Volatile organic compounds)</b>	< 500

**SECTION 10: Stability and reactivity****10.1. Reactivity**

	No data available.
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**10.2. Chemical stability**

	This product is stable if stored and handled as prescribed/indicated.
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**10.3. Possibility of hazardous reactions**

	No data is available on this product.
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**10.4. Conditions to avoid**

	Avoid temperatures above 300oC. Potentially violent decomposition can occur above 350oC. Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can ve rapid.
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**10.5. Incompatible materials**

	Acids. Bases. Oxidising agents.
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**10.6. Hazardous decomposition products**

	No data is available on this product.
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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	No data is available on this product.
Serious eye damage/irritation	No data is available on this product.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.

**11.1.4. Toxicological Information**

	No data available
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**SECTION 12: Ecological Information****12.1. Toxicity**

	No data available
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**12.2. Persistence and degradability**

	No data is available on this product.
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**12.3. Bioaccumulative potential**

	No data is available on this product.
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**Partition coefficient**

	<b>Pumatect Coloured Resin</b> No data available
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**12.4. Mobility in soil**

	No data is available on this product.
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**12.5. Results of PBT and vPvB assessment**

	No data is available on this product.
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**12.6. Other adverse effects**

	No data is available on this product.
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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

	This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/869/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residue materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.
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**SECTION 14: Transport information****Hazard pictograms**

	 
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**14.1. UN number**

	UN3082
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**14.2. UN proper shipping name**

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**14.2. UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Epoxy Resin))

**14.3. Transport hazard class(es)**

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

**14.4. Packing group**

Packing group III

**14.5. Environmental hazards**

Environmental hazards	Yes
Marine pollutant	Yes

**14.6. Special precautions for user**

Use in conjunction with Manufacturers recommended guidelines.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available.

**ADR/RID**

Hazard ID	90
Tunnel Category	(E)

**IMDG**

EmS Code F-A S-F

**IATA**

Packing Instruction (Cargo)	964
Maximum quantity	450 L
Packing Instruction (Passenger)	964
Maximum quantity	450 L

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

"COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

"REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC".

**15.2. Chemical safety assessment**

For advice on essential measures see sections 7 and 8 of this safety data sheet.

**SECTION 16: Other Information****Other Information**

<b>Text of risk phrases in Section 3</b>	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.
<b>Text of Hazard Statements in Section 3</b>	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
<b>Maximum content of VOC</b>	500.

**General Information**

	This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.
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**Further Information**

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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