



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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RIW 45: RIW Flexiseal Pro Primer Base

Revision 1

Revision date 2015-03-10

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

1.1. Product identifier

Product name	RIW 45: RIW Flexiseal Pro Primer Base
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC9a] Coatings and paints, thinners, paint removers;
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1.3. Details of the supplier of the safety data sheet

Company	RIW Limited
Address	Arc House Terrace Road South Binfield, Bracknell Berkshire RG42 4PZ
Web	www.riw.co.uk
Telephone	01344 397788
Fax	01344 862010
Email	enquiries@riw.co.uk
Email address of the competent person	enquiries@riw.co.uk

1.4. Emergency telephone number

Emergency telephone number	01344 397788
Company	RIW Limited 0800 - 1700 Monday - Friday

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xi; R36/38 R43 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the environment.
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.
2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	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.

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2.2. Label elements

Precautionary Statement: Prevention	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.
Precautionary Statement: Response	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P302+P352 - IF ON SKIN: Wash with plenty of soap and 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. P363 - Wash contaminated clothing before reuse. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to licensed waste disposal site

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	20 - 30%	Xi; R36/38 R43 N; R51/53
Phenol, methylstyrenated		68512-30-1		01-2119555274-38	10 - 20%	Xi; R38-43 R52/53
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8		1 - 10%	Xi; R38 R43
Hydrocarbons, C9-unsaturated, polymerized		71302-83-5	615-276-3	01-2119555292-40	1 - 10%	Xi; R43 R52/53
Phenol, styrenated		61788-44-1		02-2119629611-43	1 - 10%	Xi; R38-43 N; R51/53

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Bisphenol A-(epichlorhydrin) (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;
Phenol, methylstyrenated		68512-30-1		01-2119555274-38	10 - 20%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 3: H412;
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8		1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317;
Hydrocarbons, C9-unsaturated, polymerized		71302-83-5	615-276-3	01-2119555292-40	1 - 10%	Skin Sens. 1: H317; Aquatic Chronic 3: H412;
Phenol, styrenated		61788-44-1		02-2119629611-43	1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated

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4.1. Description of first aid measures

Ingestion	clothing. Seek medical attention if irritation or symptoms persist.
	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	SECTION 13: Disposal considerations. SECTION 14: Transport information. SECTION 7: Handling and storage.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling


	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear:.. Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Viscous liquid.
Colour	Black
Odour	Mild
pH	Not applicable.
Melting point	Not applicable.
Freezing Point	Not applicable.
Boiling point	Not determined
Flash point	> 140 °C
Evaporation rate	Not applicable.
Flammability limits	Not applicable.
Vapour Flammability	Not applicable.
Vapour pressure	Not determined
Vapour density	Not determined
Fat Solubility	Not determined
Partition coefficient	Not determined
Autoignition temperature	> 450 °C
Viscosity	> 200 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3104/3105)
Explosive	Not determined
Oxidising	Not applicable.
Solubility	Insoluble in water

9.2. Other information

Conductivity	Not applicable.
Surface tension	Not determined
Specific gravity	1.2 - 1.4
Gas group	Not applicable.
VOC (Volatile organic compounds)	< 1 g/l

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.

11.1.4. Toxicological Information

Bisphenol A-(epichlorhydrin) (reaction product)	Oral Rat LD50: >2000 mg/kg	Dermal Rabbit LD50: >2000 mg/kg
	Dermal Guinea Pig LD50: sensitising	
Hydrocarbons, C9-unsaturated, polymerized	Inhalation Rat LC50/4 h: > 5mg/kg	Dermal Rat LD50: >2000 mg/kg
	Oral Rat LD50: >2000 mg/kg	
Phenol, methylstyrenated	Inhalation Rat LC50/4 h: > 5 mg/kg	Dermal Rat LD50: >2000 mg/kg
	Oral Rat LD50: >2000 mg/kg	
Phenol, styrenated	Inhalation Rat LC50/4 h: >5 mg/kg	Dermal Rat LD50: >2000 mg/kg
	Oral Rat LD50: >2000 mg/kg	

SECTION 12: Ecological information

12.1. Toxicity

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12.1. Toxicity

Bisphenol A-(epichlorhydrin) (reaction product)	Daphnia EC50/48h: 1.8000 mg/l	Fish LC50/96h: 2.0000 mg/l
Hydrocarbons, C9-unsaturated, polymerized	Daphnia EC50/48h: 54.0000 mg/l Fish LC50/96h: 25.8000 mg/l	Algae IC50/72h: 100.0000 mg/l
Phenol, methylstyrenated	Daphnia EC50/48h: 14.0000 mg/l Fish LC50/96h: 25.8000 mg/l	Algae IC50/72h: 15.0000 mg/l
Phenol, styrenated	Daphnia EC50/48h: 10.0000 mg/l Fish LC50/96h: 14.8000 mg/l	Algae IC50/72h: 3.1400 mg/l

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

12.2. Persistence and degradability

Not readily biodegradable.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal of packaging

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	90
Tunnel Category	(E)

IMDG

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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**

Regulations	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.
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SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas:. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 6 - 6.4. Reference to other sections. 11 - Germ cell mutagenicity. 11 - Carcinogenicity. 12 - 12.2. Persistence and degradability. 14 - Further information. 16 - Data sources.
Data sources	Data extracted from individual component Safety Data Sheets.
Text of risk phrases in Section 3	R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	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. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Product Subcategory	Two-pack reactive performance coatings for specific end use such as floors - 500 g/l.
Maximum content of VOC	1 g/l.
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

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Further 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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