



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

## RIW 43: RIW Flexiseal Pro 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 43: RIW Flexiseal Pro Base

#### 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.

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.

## RIW 43: RIW Flexiseal Pro Base

Revision 1

Revision date 2015-03-10

## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	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.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to licensed waste disposal site

## 2.3. Other hazards

<b>Other hazards</b>	None known.
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## 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	30 - 40%	Xi; R36/38 R43 N; R51/53
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8		1 - 10%	Xi; R38 R43
Diisopropyl-naphthalene isomers		38640-62-9	254-052-6		1 - 10%	Xn; R65 N; R51/53
Nonylphenol	601-053-00-8	25154-52-3	246-672-0		0.5 - 1%	Repr. Cat. 3; R62-63 Xn; R22 C; R34 N; R50/53

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	30 - 40%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
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;
Diisopropyl-naphthalene isomers		38640-62-9	254-052-6		1 - 10%	Asp. Tox. 1: H304; Aquatic Chronic 1: H410;
Nonylphenol	601-053-00-8	25154-52-3	246-672-0		0.5 - 1%	Repr. 2: H361fd; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

## Further information

	This product contains substances of very high concern: Phenol, 4-nonyl-, branched. CAS 84852-15-3.
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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Contact lenses should be

## RIW 43: RIW Flexiseal Pro Base

Revision 1

Revision date 2015-03-10

## 4.1. Description of first aid measures

Skin contact	removed.
	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	Rash. Irritating to skin.
Ingestion	Ingestion may cause nausea and vomiting.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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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

	Self-contained breathing apparatus. Wear protective clothing.
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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. 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

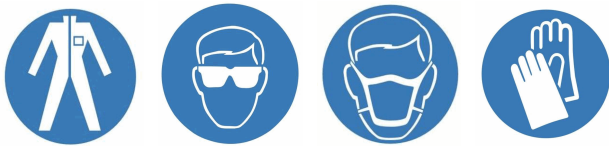
	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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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.

## RIW 43: RIW Flexiseal Pro Base

Revision 1

Revision date 2015-03-10

## 8.2. Exposure controls

Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Viscous liquid.
Colour	Red/Black
Odour	Mild
pH	Not applicable.
Melting point	Not applicable.
Freezing Point	Not determined
Boiling point	> 200 °C
Flash point	> 150 °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	≈ 3.5 log P
Autoignition temperature	Not determined
Viscosity	Not determined
Oxidising	Not applicable.
Solubility	Insoluble in water

## 9.2. Other information

Conductivity	Not applicable.
Surface tension	Not determined
Specific gravity	1 - 1.2 g/cm <sup>3</sup>
Gas group	Not applicable.
VOC (Volatile organic compounds)	< 1 g/l

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.5. Incompatible materials

	Strong oxidising agents. Strong acids. Alkalis.
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## 10.6. Hazardous decomposition products

	Fire will produce dense black smoke.
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## Further information

	Mixing with Epoxy Hardener will result in a high exotherm and possible smoke formation.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Respiratory or skin sensitisation	Sensitizer, Skin.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No carcinogenic effects reported.

## RIW 43: RIW Flexiseal Pro Base

Revision 1

Revision date 2015-03-10

## 11.1. Information on toxicological effects

Reproductive toxicity	No data is available on this product.
Repeated or prolonged exposure	Sensitizer, Skin.

## 11.1.4. Toxicological Information

Bisphenol A-(epichlorhydrin) (reaction product)	Oral Rat LD50: >2000 mg/kg Dermal Guinea Pig LD50: sensitising	Dermal Rabbit LD50: >2000 mg/kg
Diisopropylnaphthalene isomers	Inhalation Rat LC50/30min: >5.6 mg/l Oral Rat LD50: >4000 mg/kg	Dermal Rat LD50: >4000 mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

Bisphenol A-(epichlorhydrin) (reaction product)	Daphnia EC50/48h: 1.8000 mg/l	Fish LC50/96h: 2.0000 mg/l
Diisopropylnaphthalene isomers	Fish LC50/96h: 0.5000 mg/l	

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

## 12.2. Persistence and degradability

Not readily biodegradable.

## 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

## 12.6. Other adverse effects

None known.

## 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

## RIW 43: RIW Flexiseal Pro Base

Revision 1

Revision date 2015-03-10

<b>14.3. Transport hazard class(es)</b>	
Subsidiary risk	-
<b>14.4. Packing group</b>	
Packing group	III
<b>14.5. Environmental hazards</b>	
Environmental hazards	Yes
Marine pollutant	Yes
<b>ADR/RID</b>	
Hazard ID	90
Tunnel Category	(E)
<b>IMDG</b>	
EmS Code	F-A S-F
<b>IATA</b>	
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**

<b>Regulations</b>	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**

<b>Revision</b>	This document differs from the previous version in the following areas:. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 3 - Further information. 6 - 6.4. Reference to other sections. 9 - 9.2. Other information (Product Subcategory). 11 - Carcinogenicity. 16 - Data sources. 16 - Maximum content of VOC.
<b>Data sources</b>	Data extracted from individual component Safety Data Sheets.
<b>Text of risk phrases in Section 3</b>	R22 - Harmful if swallowed. R34 - Causes burns. R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R43 - May cause sensitisation by skin contact.

## RIW 43: RIW Flexiseal Pro Base

Revision 1

Revision date 2015-03-10

## Other information

	<p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R62 - Possible risk of impaired fertility.</p> <p>R63 - Possible risk of harm to the unborn child.</p> <p>R65 - Harmful: may cause lung damage if swallowed.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Repr. 2: H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.</p>
<b>Product Subcategory</b>	Two-pack reactive performance coatings for specific end use such as floors - 500 g/l.
<b>Maximum content of VOC</b>	1 g/l.
<b>Further information</b>	
	<p>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.</p>