



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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RIW 08: RIW Toughseal Base (Black and Grey)

Revision 0

Revision date 2015-03-11

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

1.1. Product identifier

| | |
|--------------|---|
| Product name | RIW 08: RIW Toughseal Base (Black and Grey) |
|--------------|---|

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; |
|-------------|--|

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 |

2.3. Other hazards

| | |
|----------------------|-------------|
| Other hazards | None known. |
|----------------------|-------------|

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. |

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4.1. Description of first aid measures

| | |
|--------------|---|
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| | Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | 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. |
|--|----------------|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|---|
| | Wear suitable respiratory equipment when necessary. |
|--|---|

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. |
|--|--|

6.2. Environmental precautions

| | |
|--|---|
| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

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. |
|--|---|

6.4. Reference to other sections

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


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. |
|--|--|

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. |
|--|--|

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

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9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|--|
| State | Viscous liquid. |
| Colour | Black/Grey |
| Odour | Mild |
| pH | Not applicable. |
| Melting point | Not relevant |
| Freezing Point | Not determined |
| Boiling point | Not determined |
| Flash point | > 140 °C |
| Evaporation rate | Not relevant |
| Flammability limits | Not relevant |
| Vapour Flammability | Not relevant |
| Vapour pressure | Not determined |
| Vapour density | Not determined |
| Fat Solubility | Not relevant |
| 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 relevant |
| Solubility | Insoluble in water |

9.2. Other information

| | |
|---|-----------------|
| Conductivity | Not determined |
| 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. |
| Respiratory or skin sensitisation | Sensitizer, Skin. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Carcinogenicity | No carcinogenic effects reported. |
| Reproductive toxicity | No observed effect level. |

11.1.4. Toxicological Information

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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 |
| Hydrocarbons, C9-unsaturated, polymerized | Inhalation Rat LC50/4 h: > 5mg/kg Oral Rat LD50: >2000 mg/kg | Dermal Rat LD50: >2000 mg/kg |
| Phenol, methylstyrenated | Inhalation Rat LC50/4 h: > 5 mg/kg Oral Rat LD50: >2000 mg/kg | Dermal Rat LD50: >2000 mg/kg |
| Phenol, styrenated | Inhalation Rat LC50/4 h: >5 mg/kg Oral Rat LD50: >2000 mg/kg | Dermal Rat LD50: >2000 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 |
| 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.

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)

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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 |

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 |

Further information

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

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. |
|-------------|--|

SECTION 16: Other information

Other information

| | |
|-----------------------------------|--|
| 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. |

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Other information

| | |
|---|---|
| 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 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. |
|--|--|