



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Toughseal Black Base

Revision 0
Revision date 2018-06-27

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

1.1. Product identifier

Product name Toughseal Black 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 +44 (0)1344 397788
Email enquiries@riw.co.uk
Email address of the competent person sds@riw.co.uk

1.4. Emergency telephone number

Emergency telephone number +44 (0)1270 502891
Company NCEC
24 hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008 Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; 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.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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2.2. Label elements

Precautionary Statement: Response	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. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to licensed waste disposal site

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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;
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol		9003-36-5	500-006-8		10 - 20%	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;
Phenol, styrenated		61788-44-1		02-2119629611-43	1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
Defoaming Agent					1 - 10%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. If you feel unwell, seek medical advice (show the label where possible).

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	Irritating to mouth, throat and stomach.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use foam, carbon dioxide, dry powder, sand or earth.
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5.2. Special hazards arising from the substance or mixture

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5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

The product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions. 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. Wash hands after handling the product.

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. When using do not eat, drink or smoke.

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

8.1. Control parameters

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Bisphenol A-(epichlorhydrin) (reaction product)	Acute inhalation - Systemic effects	12.3 mg/m ³	
	Acute dermal - Systemic effects	8.3 bw/day	Long-term - inhalation - Local effects
	Long-term - dermal - Systemic effects	8.3 bw/day	12.3 mg/m ³

Exposure Pattern - General population

Bisphenol A-(epichlorhydrin) (reaction product)	Acute inhalation - Systemic effects	0.75 mg/m ³	
	Acute dermal - Systemic effects	3.6 bw/day	Acute oral - Systemic effects
	Long-term - inhalation - Systemic effects	0.75 mg/m ³	Long-term - dermal - Systemic effects
	Long-term - oral - Systemic effects	0.75 bw/day	3.6 bw/day


8.2. Exposure controls

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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective clothing.
Eye / face protection	Wear: Safety glasses.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Black
Odour	Mild
Freezing Point	Not determined
Initial boiling point	> 200 °C
Flash point	> 100 °C
Autoignition temperature	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Solubility	Insoluble in water

9.2. Other information

Specific gravity	1.36 - 1.44 g/cm ³
VOC (Volatile organic compounds)	≤ 1 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Will not decompose if stored and used as recommended.
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10.3. Possibility of hazardous reactions

	Under normal conditions of storage and use, hazardous reactions will not occur.
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10.4. Conditions to avoid

	Keep away from heat.
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10.5. Incompatible materials

	Avoid contact with: Strong bases.
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10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritating to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.

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
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
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

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

12.4. Mobility in soil

No data is available on this product.

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

May cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations. Do not empty into drains; dispose of this material and its container in a safe way. This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information

Hazard pictograms

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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

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	This Safety Data Sheet has been prepared in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Classification has been made in accordance with Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).
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15.2. Chemical safety assessment

Not required.

SECTION 16: Other information

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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. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
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.
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