



# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Heviseal

Revision 0  
Revision date 2017-11-04

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

#### 1.1. Product identifier

Product name	Heviseal
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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	+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	: EUH066; Flam. Liq. 3: H226; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
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#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting// equipment.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P370+P378 - In case of fire: Use to extinguish. P391 - Collect spillage.
<b>Precautionary Statement: Storage</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	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
Oxidized Bitumen		64742-93-4	265-196-4	01-2119498270-36	40 - 50%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-82-1	919-446-0	01-2119458049-33	30 - 40%	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Naturally occurring substances			310-127-6		20 - 30%	STOT RE 2: H373;
Clay			934-756-6		1 - 10%	STOT RE 2: H373;
Phosphoric Acid (Orthophosphoric acid)		7664-38-2	231-633-2	01-2119485924-24	0 - 0.5%	Skin Corr. 1C: H314;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. May cause dizziness and headache.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause degreasing of the skin. May cause irritation to skin.

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

Ingestion	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Irritating to mouth, throat and stomach.
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## General information

	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Do NOT use water jet. Use foam, carbon dioxide, dry powder, sand or earth.
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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

	Eliminate all sources of ignition. Ensure adequate ventilation of the working area. When using do not eat, drink or smoke. Wear suitable protective clothing, gloves and eye/face protection.
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### 6.2. Environmental precautions

	Do not allow runoff water to enter sewers or drains. Do not flush into surface water. 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.
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### 6.4. Reference to other sections

	SECTION 13: Disposal considerations. SECTION 14: Transport information. SECTION 2: Hazards identification.
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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. Wear suitable protective clothing, gloves and eye/face protection. Use explosion proof equipment.
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### 7.2. Conditions for safe storage, including any incompatibilities

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

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 350
	WEL 15 min limit ppm: WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust: WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> : WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust: WEL 15 min limit mg/m <sup>3</sup> total - respirable dust:
Phosphoric Acid (Orthophosphoric acid)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m <sup>3</sup> : 1
	WEL 15 min limit ppm: - WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust: WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> : 2 WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust: WEL 15 min limit mg/m <sup>3</sup> total - respirable dust:

DNEL: Derived no-effect level.

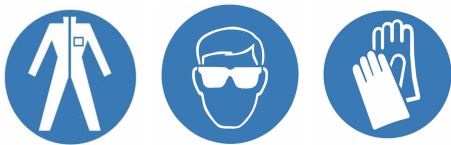
## Exposure Pattern - Workers

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Acute inhalation - Systemic effects	570 mg/m <sup>3</sup>	
	Long-term - inhalation - Systemic effects	330 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects 44 mg/kg

## Exposure Pattern - General population

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Acute inhalation - Systemic effects	570 mg/m <sup>3</sup>	
	Long-term - inhalation - Systemic effects	71 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects 26 mg/kg
	Long-term - oral - Systemic effects	26 mg/kg	

## 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	Suitable eye protection.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	In case of insufficient ventilation, 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

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Black
<b>Odour</b>	Characteristic
<b>Flash point</b>	> 39 °C
<b>Upper Explosive Limit</b>	8 %
<b>Lower Explosive Limit</b>	0.7 %
<b>Autoignition temperature</b>	> 230 °C
<b>Viscosity</b>	≥ 200 x 10 <sup>-6</sup> m <sup>2</sup> /s @ 40 °C (ISO 3104/3105)
<b>Initial boiling point</b>	153 - 200 °C
<b>Solubility</b>	Insoluble in water

## 9.2. Other information

<b>Specific gravity</b>	≥ 0.95 g/cm <sup>3</sup>
<b>VOC (Volatile organic compounds)</b>	≤ 380 g/l

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Under normal conditions of storage and use, hazardous reactions will not occur.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Oxidising agents.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames.
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## 10.5. Incompatible materials

	Organic materials.
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## 10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No observed effect level.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.
<b>Serious eye damage/irritation</b>	No irritation expected.
<b>Respiratory or skin sensitisation</b>	No sensitization effects reported.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No carcinogenic effects reported.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>Aspiration hazard</b>	Aspiration hazard H304 has been eliminated due the kinematic viscosity of the product being above 20.5 mm <sup>2</sup> /s @ 40°C.
<b>Repeated or prolonged exposure</b>	Repeated or prolonged exposure may cause damage to liver, kidneys and central nervous system.

## 11.1.4. Toxicological Information

	No data available
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## SECTION 12: Ecological information

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## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

Not readily biodegradable.

## 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. PNEC.

## SECTION 13: Disposal considerations

## General information

Contact a licensed waste disposal company. 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances. 17 03 02 bituminous mixtures other than those mentioned in 17 03 01.

## Disposal of packaging

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Contact a licensed waste disposal company. 15 01 10\* packaging containing residues of or containing by dangerous substances.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN1999

## 14.2. UN proper shipping name

TARS, LIQUID

## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group III

## 14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

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## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-E
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## 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.
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## SECTION 16: Other information

## Other information

Data sources	Data extracted from individual component Safety Data Sheets.
Text of Hazard Statements in Section 3	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Maximum content of VOC	380 g/l.