



since 1895

SAFETY DATA SHEET

(Conforming to 1907/2006/EC)

Product Name:	BITUMINOUS ROOFING MEMBRANES	SDS Reference	
Version No.	2	Initial issue date	July 2014
		Revision date	01-06-2015

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Name	Bituminous Roofing Membrane		
1.2 Relevant Use(s)/misuse(s)	Low slope Roof Waterproofing		
1.3 SDS Supplier	The Garland Company UK Ltd Unit 5 Glevum Works Upton Street, Gloucester GL1 4LA, UK	Telephone: 01452 330646 Mobile: 07887 923 121 Website: www.garlandukltd.co.uk	
1.4 Emergency Telephone	44 (0)1452 330646 (Office hours)	Competent person e-mail: trevor@rising-hsande.co.uk	

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

The product is an article, therefore no classification is required.

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):	NONE	Signal word	NONE
Hazard statement(s)	NONE		
Precautionary statement(s)	NONE		

2.3 OTHER HAZARDS

NONE KNOWN

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation	The base materials include polyester, glass/polyester and glass fibres in sheet form, some used in conjunction with aluminium foil. The bitumen coating may contain mineral filler and/or synthetic polymers. No hazardous substances are present.
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4. FIRST AID MEASURES

4.1 Description of measures

Inhalation Not a normal route of exposure.

Skin contact No special measures necessary.

Eye contact Not a normal route of exposure.

Ingestion Not a normal route of exposure. .

4.2 Most important effects/symptoms None known

4.3 Immediate/special treatment Treatment as described above.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media To suit local surroundings (e.g. foam, carbon dioxide, dry powder or water fog).

5.2 Special hazards Standard bitumen based roofing membranes are combustible and release dense black smoke when they burn.

5.3 Advice for fire fighters Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions Adhere to personal protective measures.

6.2 Environmental precautions Not applicable

6.3 Methods and materials for cleaning up Sweep up or gather material and place in appropriate container for disposal.

6.4 Reference to other sections See section 8 for personal protective equipment.

7. HANDLING & STORAGE

7.1 Precautions for safe handling Handle in accordance with good hygiene and safety practice. Avoid inhalation of any dust or fumes

7.2 Conditions for safe storage Material should be kept dry, at room temperature and protected from the elements.

7.3. Specific end use(s) Low slope Roof Waterproofing

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters There are no workplace exposure limit values available. Comply with good practice.

8.2 Exposure controls

Engineering controls Provide adequate ventilation (e.g. local exhaust ventilation).

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection	Observe normal standards for handling chemicals. Do not eat, drink or smoke in the working area Avoid inhalation of vapours/dust Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (i.e. EN 166 approved) if dust raised
Skin protection	Suitable gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Not applicable
Other protection	Protective overall

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form	Grey – black toned solid material
Colour	A variety of coloured slate finishes are available on top layer felts
Odour	Odourless
Odour threshold	Not determined
pH	Not determined
Boiling pt / range	Not applicable °C
Melting pt / range	Not determined °C
Flash point	Not applicable
Flammability	Not determined
Thermal decomposition	Not applicable
Evaporation rate	Not determined
Explosion limits	Not determined Lower: Upper:
Auto-ignition temperature	Not applicable
Decomposition temp.	Not applicable
Specific gravity	Not determined
Vapour pressure	Not applicable
Vapour density	Not applicable
Viscosity	Not determined
Water solubility	insoluble
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log_{Oct/water}	Not determined
9.2 Other information	None known

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10. STABILITY AND REACTIVITY

10.1 Reactivity	None known
10.2 Chemical stability	Stable under normal conditions of handling.
10.3 Hazardous reactions	Will not polymerise.
10.4 Conditions to avoid	None known
10.5 Incompatible material	None known
10.6 Hazardous decomposition products	Bitumen fumes and dense black smoke if heated to excessive temperatures.

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	mg/kg	No data available
Dermal compatibility	No data available.		
Mucous membrane compatibility	No data available.		

12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀ Fish (rainbow trout)	mg/l	No data available
12.2 Degradability	No data available		
12.3 Bioaccumulative potential	Not determined		
12.4 Mobility in soil	No data available		
12.5 PBT/vPvB assessment	Not determined		
12.6 Other adverse effects	None known		

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures

Advice on disposal	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
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14. TRANSPORT INFORMATION

14.1 United Nations number ADR, IMDG, IATA	Not classified
14.2 Proper shipping name ADR, IMDG, IATA	Not classified
14.3 Transport class(s) ADR, IMDG, IATA	Not classified
14.4 Packing group ADR, IMDG, IATA	Not classified
14.5 Environmental hazards ADR, IMDG, IATA	Not classified
14.6 Special procedures ADR, IMDG, IATA	None known.

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14. TRANSPORT INFORMATION

14.7 Transport in bulk Not applicable
ADR, IMDG, IATA

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.

15.2 Chemical safety assessment Not applicable

16. OTHER INFORMATION

Further information

The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)

Sources of data

Other suppliers' safety data sheets

Date of issue

01-06-2015

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Data sheet prepared by Rising HS&E Services.