



since 1895

# SAFETY DATA SHEET

(Conforming to 1907/2006/EC)

Product Name:

## GAR-ROCK

SDS Reference

Version No. 3

Initial issue date

September 2012

Revision date

01-06-2015

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Name **Gar-rock (Product No. 1650)**

1.2 Relevant Use(s)/misuse(s) Concrete packing material.

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](http://www.garlandukltd.co.uk)

1.4 Emergency Telephone

44 (0)1452 330646 (Office hours)

**Competent person e-mail:** [trevor@rising-hsande.co.uk](mailto: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)

Not classified

### 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

THE PREPARATION CONTAINS A SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT (WEL)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation

Mixture of none hazardous inorganic substances (

See section 8)

## 4. FIRST AID MEASURES

4.1 Description of measures

**Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Skin contact**

Clean areas of skin affected with plenty of water. If necessary, seek medical advice.

**Eye contact**

Wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.

**Ingestion**

Allow the patient to vomit on his own accord. Give copious water to drink; If necessary, seek medical advice.

**4. FIRST AID MEASURES**

- 4.2 Most important effects/symptoms** Particles in the eyes may cause irritation and smarting.
- 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** None known
- 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** Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
- 6.3 Methods and materials for cleaning up** Adhere to personal protective measures. Take up as appropriate, e.g. sweep or vacuum up, into tightly closed containers. Label container and dispose of as prescribed.
- 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 production and inhalation of dust .
- 7.2 Conditions for safe storage** Keep containers tightly closed and in cool, dry, well-ventilated areas.
- 7.3. Specific end use(s)** Concrete packing material.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Controls parameters**
- Occupational Exposure Limits (WELs) have been assigned (EH40/2011).
- |                 |     |                   |  |
|-----------------|-----|-------------------|--|
| LTEL (8 Hr TWA) | 10  | mg/m <sup>3</sup> | Data for aluminium oxide               |
| LTEL (8 Hr TWA) | 0.1 | mg/m <sup>3</sup> | Data for crystalline quartz            |
| LTEL (8 Hr TWA) | 1   | mg/m <sup>3</sup> | Data for iron oxide                    |
| STEL (10 min)   | 10  | mg/m <sup>3</sup> | Data for iron oxide                    |
| LTEL (8 Hr TWA) | 10  | mg/m <sup>3</sup> | Data for magnesium oxide               |
| LTEL (8 Hr TWA) | 2.4 | mg/m <sup>3</sup> | Data for silica amorphous (resp. dust) |
- 8.2 Exposure controls**
- Engineering controls** Provide adequate ventilation (e.g. local exhaust ventilation).
- Personal protection** Observe normal standards for handling chemicals.  
Do not eat, drink or smoke in the working area  
Avoid inhalation of dust  
Wash hands before breaks and after work.  
Wear personal protective equipment appropriate to the task (see below)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Eye protection</b>	Safety goggles (i.e. EN 166 approved)
<b>Skin protection</b>	Suitable gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	If ventilation is insufficient, wear a NIOSH/OSHA dust mask
<b>Other protection</b>	Protective overall



## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Basic physical and chemical properties

<b>Physical form</b>	Powder
<b>Colour</b>	Off white.
<b>Odour</b>	Odourless
<b>Odour threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Boiling pt / range</b>	Not applicable °C
<b>Melting pt / range</b>	Not determined °C
<b>Flash point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Thermal decomposition</b>	Not applicable
<b>Evaporation rate</b>	Not determined
<b>Explosion limits</b>	Not determined Lower: Upper:
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temp.</b>	Not applicable
<b>Specific gravity</b>	1.55 - 1.71
<b>Vapour pressure</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Viscosity</b>	Not determined
<b>Water solubility</b>	Insoluble
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined
<b>Partition coeff. Log<sub>Oct/water</sub></b>	Not determined
<b>9.2 Other information</b>	None known

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Acids. Oxidising materials.
<b>10.2 Chemical stability</b>	Stable under normal conditions of handling.
<b>10.3 Hazardous reactions</b>	Will not polymerise.
<b>10.4 Conditions to avoid</b>	Avoid contact with acids and oxidising substances.
<b>10.5 Incompatible material</b>	Strong oxidising substances. Acids.
<b>10.6 Hazardous decomposition products</b>	None known

**11. TOXICOLOGICAL INFORMATION****11.1 information on toxicological effects**

<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	500 mg/kg	Crystalline quartz
	LD <sub>50</sub> rat (oral)	>5000 mg/kg	Iron oxide (REACH dossier information)
	LD <sub>50</sub> rat (oral)	>1000 mg/kg	Aluminium oxide (REACH dossier information)
	LD <sub>50</sub> rat (oral)	>5000 mg/kg	Amorphous silica (REACH dossier information)
<b>Dermal compatibility</b>	No data available. May cause slight skin irritation		
<b>Mucous membrane compatibility</b>	No data available. May cause slight eye irritation		

**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	LC <sub>50</sub> Fish (zebra fish)	>10000 mg/l	96hr iron oxide**
	EC <sub>50</sub> Daphnia magna	>100 mg/l	48hr iron oxide**
	LC <sub>50</sub> Fish (fathead minnow)	>218 mg/l	96hr aluminium oxide**
	EC <sub>50</sub> Daphnia magna	>1000 mg/l	24hr amorphous silica**
	<b>12.2 Degradability</b>	Not determined	
<b>12.3 Bioaccumulative potential</b>	Not determined		
<b>12.4 Mobility in soil</b>	Not determined		
<b>12.5 PBT/vPvB assessment</b>	Not determined		
<b>12.6 Other adverse effects</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.		

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment measures**

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005. Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.
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**14. TRANSPORT INFORMATION**

<b>14.1 United Nations number ADR, IMDG, IATA</b>	Not classified
<b>14.2 Proper shipping name ADR, IMDG, IATA</b>	Not classified
<b>14.3 Transport class(s) ADR, IMDG, IATA</b>	Not classified

**Product Name:**

**GAR-ROCK**

**SDS Reference**

## 14. TRANSPORT INFORMATION

<b>14.4 Packing group ADR, IMDG, IATA</b>	Not classified
<b>14.5 Environmental hazards ADR, IMDG, IATA</b>	The product should not be marked as a marine pollutant
<b>14.6 Special procedures ADR, IMDG, IATA</b>	None known.
<b>14.7 Transport in bulk ADR, IMDG, IATA</b>	Not applicable

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations</b>	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
<b>15.2 Chemical safety assessment</b>	Not applicable

## 16. OTHER INFORMATION

<b>Further information</b>	The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)
<b>Sources of data</b>	Other suppliers' safety data sheets
<b>Date of issue</b>	01-06-2015

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**Data sheet prepared by Rising HS&E Services.**