



## SAFETY DATA SHEET GRANATECH RANGE

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

#### 1.1. Product identifier

**Product name** GRANATECH RANGE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** High strength, low modulus mortar

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** PAREX Ltd  
Holly Lane Industrial Estate  
Atherstone  
Warwickshire  
CV9 2QZ  
Tel: +44 (0)1827 711755  
(Mon-Fri 08:30-16:30)  
Fax: +44 (0)1827 711330  
sds@parex.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** + 44 (0)1827 711755 (Mon-Fri 08:30 - 16:30)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335 STOT SE 3 - H335

**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

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**Precautionary statements**

P264 Wash contaminated skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P501 Dispose of contents/ container in accordance with national regulations.  
 P402+P404 Store in a dry place. Store in a closed container.  
 Use within six months of date of manufacture.

**Contains** Portland Cement

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>SILICA SAND</b>	<b>30-60%</b>
CAS number: 14808-60-7	EC number: 238-878-4

##### Classification

Acute Tox. 4 - H332

<b>PORTLAND CEMENT</b>	<b>10-30%</b>
CAS number: 65997-15-1	EC number: 266-043-4

##### Classification

Skin Irrit. 2 - H315  
 Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Ingestion** Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (50-100 ml for an adult person): Take to hospital along with these instructions.

**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.

**Eye contact** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

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

**General information** See Section 11 for additional information on health hazards.

##### 4.3. Indication of any immediate medical attention and special treatment needed

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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### 5.2. Special hazards arising from the substance or mixture

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Avoid generation and spreading of dust. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin, eyes and clothing.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **SILICA SAND**

Long-term exposure limit (8-hour TWA): 0.1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 0.1 mg/m<sup>3</sup> (Ireland)

#### **PORTLAND CEMENT**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 10mg/m<sup>3</sup> (inh) 4mg/m<sup>3</sup> (resp) (Ireland)

#### **CALCIUM HYDROXIDE**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup> (resp) 4 mg/m<sup>3</sup> (resp)

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### **Protective equipment**



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<b>Appropriate engineering controls</b>	As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.
<b>Eye/face protection</b>	Personal protective equipment for eye and face protection should comply with European Standard EN166.
<b>Hand protection</b>	Wear protective gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent skin contamination.
<b>Hygiene measures</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder.
<b>Colour</b>	Various colours.
<b>Odour</b>	Odourless.
<b>pH</b>	Approximately 12 - 13 in aqueous solution.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Relative density</b>	>1

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Skin corrosion/irritation

**Human skin model test** Irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Corrosivity to eyes is assumed.

##### Skin sensitisation

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<b>Skin sensitisation</b>	Sensitising.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>Target organs</b>	Respiratory system, lungs
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	May be harmful if swallowed and enters airways.
<b>Inhalation</b>	Irritating to respiratory system.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye damage.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations

### SECTION 14: Transport information

**General** Not classified as hazardous for transport.

#### 14.1. UN number

#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

#### 14.4. Packing group

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
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) (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

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<b>Issued by</b>	QSHE Manager
<b>Revision date</b>	30/08/2018
<b>Supersedes date</b>	07/04/2017
<b>SDS number</b>	20431
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.