



Crushed Granulated Blast Furnace Slag Safety Information Sheet

1. FOREWORD

Granulated Blast furnace Slag is registered as a substance under the UK REACH Regulation. Its REACH Registration number is UK-01-8706475375-6-0004.

This Safety Information Sheet provides information about the substance to enable appropriate risk management measures to be identified and applied.

Because Granulated Blast furnace Slag does not meet the requirements for classification as dangerous under the EU Dangerous Substances (67/548/EEC) Directive or the Great Britain Labelling and Packaging of substances and mixtures (GB CLP) regulations. There is no requirement to provide a Safety Data Sheet in accordance with Article 31 of REACH. No authorisation is required under Title VII of REACH and no restriction is imposed under Title VIII of REACH.

2. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

2.1 Identification of the Substance Crushed

Granulated Blast furnace Slag Registered
Trade Mark: 'Calumite'
UK REACH Registration number: UK-01-8706475375-6-0004
CAS number: 65996-69-2
EC number: 266-002-0

2.2 Use of the substance

Used as a glass-making raw material.

2.3 Company

Calumite Limited
Hanson House
14 Castle Hill
Maidenhead SL6 4JJ
Tel: +44 (0)1724 282211
E-mail: calumiteorders@hanson.com

2.4 Emergency telephone

Tel: +44 (0)1724 282211 (Office hours only)

3. HAZARDS IDENTIFICATION

Calumite is a fine granular material, which can cause mechanical irritation to the eyes and respiration system. When mixed with water, the resultant liquid will gradually become alkaline with a pH up to 12. Calumite may be hot when delivered in bulk.

4. COMPOSITION/INFORMATION ON INGREDIENTS

Calumite consists principally of the oxides of calcium, silicon, aluminium and magnesium with low solubility in water giving a weak alkaline solution.

5. FIRST-AID MEASURES

5.1 Eye Contact

Rinse the eyes with water with the eyelids open. Seek medical advice if irritation persists.

5.2 Skin Contact

Wash with soap and water.

5.3 Ingestion

Rinse mouth and drink plenty of water.

5.4 Inhalation

Move affected person into fresh air. Seek medical advice if irritation persists.

6. FIRE-FIGHTING MEASURES

Calumite is not flammable and will not facilitate combustion with other materials.

7. ACCIDENTAL RELEASE MEASURES

7.1 Personal Precautions

Refer to Section 8.

7.2 Cleaning Up

If possible, recover the spillage in a dry state by vacuuming, to minimise generation of airborne dust. The product can be slurried by the addition of water.

8. HANDLING AND STORAGE

8.1 Handling

Refer to Sections 2 and 8. Bags may have a small amount of Calumite on the outer surface and appropriate personal protective clothing should therefore be used.

8.2 Storage Bulk

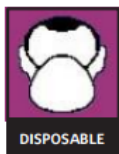
Calumite should be stored in silos or other suitable storage areas where the material will be kept dry.

9. EXPOSURE CONTROLS/ PERSONAL PROTECTION

9.1 Exposure limit values

Crushed Granulated Blast furnace Slag is not currently listed in the table of Workplace Exposure Limits (WELs), approved by the UK Health and Safety Commission. On the basis of the WELs for similar materials (e.g. Portland cement and calcium silicate), Calumite Limited recommend applying a WEL of 10mg/m³ total inhalable dust, 4mg/m³ respirable dust. (as 8hr Time Weighted Average). See HSE Guidance Note EH40 for further information.

9.2 Exposure controls



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9.2.1(a) Respiratory Protection

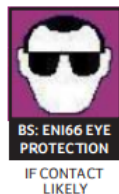
Where practicable, dust exposure should be controlled by engineering methods.

Otherwise, suitable respiratory protection should be worn to ensure that personal exposure is less than the WEL.



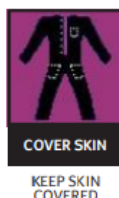
9.2.1(b) Hand Protection

Gloves should be worn when handling Calumite.



9.2.1(c) Eye Protection

Dust-proof goggles should be worn wherever there is a risk of Calumite entering the eye.



9.2.1(d) Skin Protection

Protective clothing should be worn which ensures that Calumite does not come into contact with the skin.

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: off-white granular material with a particle size less than 1 mm.

Odour: may have a mildly sulphurous odour.

pH of Calumite in water: 10 to 12.

Melting point: > 1,000°C

Flash point: non-flammable.

Flammability: non-flammable.

Explosive properties: none.

Oxidising properties: none.

Water solubility: slight <100 mg/L.

Contains less than 1% crystalline silica.

Contains less than 1ppm water-soluble chromium VI.

11. STABILITY AND REACTIVITY

Calumite is low-reactivity, chemically stable and does not produce hazardous decomposition products.

12. TOXICOLOGICAL INFORMATION

The substance is not classified as dangerous. Details of the toxicological tests submitted as part of the REACH dossier for this substance are available on the European Chemicals Agency website. The UK equivalent is still under development since leaving the European Union.

13. ECOLOGICAL INFORMATION

In large quantities, the addition of Calumite to water will cause the pH to rise and may reduce oxygen availability, which might be toxic to aquatic life in some circumstances.

14. DISPOSAL CONSIDERATIONS

Dispose of empty bags or discarded Calumite® to a place authorised to accept Builder's waste.

15. TRANSPORT INFORMATION

Calumite is not covered by the international regulations on the transport of dangerous goods (IMDG, ADR/RID) and no classification is required.

16. DISCLAIMER

The information in this Safety Data Sheet was believed to be correct at the time of issue. It does not, however, give assurances of product properties and establishes no contract legal rights.

If you have purchased this product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and any of the precautions which should be taken.

This Safety Data Sheet does not constitute the user's own assessment of workplace risk, and it is the user's sole responsibility to take all necessary safety precautions when using this product.

The product is to be used exclusively for the applications named in the technical leaflet or in the processing instructions. The receiver of our product is singularly responsible for adhering to existing laws and regulations.