

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

1.1 Product identifiers

Product name : Raw Meal

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

Identified uses : Kiln Feed

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Breedon Cement Ltd
Hope Cement Works
Hope Valley Derbyshire
S33 6RP

Telephone : 01433 622 201

Email : cement@breedongroup.com

Internet : <https://breedoncement.com/>

1.4 Emergency telephone number

Emergency Phone # : 01433 622 201 (9am-5pm)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315
Skin sensitisation (Category 1), H317
Eye damage (Category 1), H318
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal Word: DANGER

Hazard statement(s)

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

Precautionary statement(s) P260

Do not breathe dust.

P280 Wear protective gloves.

P284 Wear respiratory protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards – Contains Chromium (VI). May produce an allergic reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Component	Classification	Concentration
Flue dust, Portland cement		
CAS-No. 68475-76-3	Skin Irrit. 2; Eye Irrit. 2; STOT SE Up to 100%	
EC-No. 270-659-9	3; Skin Sens. 1	
Index-No. [-] H315, H317, H319, H335		
Calcium oxide		
CAS-No. 1305-78-8	Skin Irrit. 2; Eye Dam. 1; 5-50%	
EC-No. 215-138-9	H315, H318	
Index-No. [-]		
Crystalline silica (respirable fraction will be approximately 25% of the total fraction)		
CAS-No. 14808-60-7	STOT RE 2;	0-10%
EC-No. 238-878-4	H373i	
Index-No. [-]		

For the full text of the H-Statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

Remove to fresh air and rest. If not breathing, give artificial respiration. If recovery is not rapid call for prompt medical attention. Show this safety data sheet to medical personnel. **In case of skin contact**

Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. If irritation persists or there are signs of skin damage obtain medical attention. **In case of eye contact**

Irrigate with water for at least 15 minutes. Take care not to wash chemical from one eye to another. Obtain immediate medical attention.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek further medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Non-combustible. Use media such as alcohol/aqueous foam, dry chemical, or carbon dioxide or water spray/fog which is suitable and appropriate for any surrounding fire.

5.2 Special hazards arising from the substance or mixture

No significant toxic fumes or combustion products are likely to be produced in a fire. Firefighting runoff from large quantities of material may be strongly alkaline and could cause irritation to eyes and skin.

5.3 Advice for firefighters

Do not breathe fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Use water spray to cool containers. Prevent runoff from fire control from entering waterways. Large fires should only be dealt with by trained personnel.

5.4 Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use suitable personal protective equipment (refer to Section 8 for details). Avoid breathing dust. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent further spillage if safe to do so. Do not let product enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid formation of dusts. Provide appropriate exhaust ventilation at places where dust is formed. Do not allow product to be contaminated with water.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with occupational exposure limits

Component	CAS No.	Reference period	Exposure Limit	Basis
Portland cement	65997-15-1	8hr TWA	10mg/m ³ (Total) 4mg/m ³ (Respirable)	UK. EH40 WEL
Calcium oxide	1305-78-8	8hr TWA	2mg/m ³	UK. EH40 WEL
Crystalline silica	14808-60-7	8hr TWA	0.1mg/m ³ (Respirable)	UK. EH40 WEL

8.2 Exposure controls

Appropriate engineering controls

Use in well ventilated areas. Use mechanical ventilation.

Personal protective equipment

Eye/face Protection

Use equipment for eye protection tested and approved under appropriate standards such as EN 166.

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Body Protection

Respiratory Protection

Use in well ventilated areas. Use mechanical ventilation if possible. If significant dust generated and mechanical ventilation is not available or not possible then use a respirator with filter type P3 to Standard EN14387, EN149 or equivalent.

9.1 Information on basic physical and chemical properties

- 9.2 Other safety information** No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Undergoes an exothermic reaction with water

10.2 Chemical stability

Expected to be stable at normal temperatures and under recommended storage conditions

10.3 Possibility of hazardous reactions

Uncontrolled reaction with water can produce damaging levels of heat

10.4 Conditions to avoid

Moisture

10.5 Incompatible materials

Acids, strong oxidising agents, ammonium salts and aluminium metal

10.6 Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

LD₅₀ (oral)/LD₅₀ (dermal)/LC₅₀ (inhalation): No acute lethal effects.

Skin corrosion/irritation

Exposure to wet Raw Meal dust or to dry dust on moist areas of the body can cause serious, potentially irreversible caustic burns to the skin.

Serious eye damage/eye irritation

Primary eye irritant – contact may cause severe eye irritation, ocular burns and permanent blindness if not treated immediately.

Respiratory or skin sensitisation

May cause sensitisation by skin contact

Germ cell mutagenicity

No known mutagenic potential.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No known toxic to reproduction potential.

Specific target organ toxicity - single exposure

Inhalation may cause respiratory irritation, severe exposure may cause chemical burns to the nose, throat and lungs.

Specific target organ toxicity - repeated exposure

The product gives potential for generation of respirable crystalline silica dust during handling and use. Prolonged inhalation of respirable dust may cause lung fibrosis. Principal symptoms of lung fibrosis are cough and breathlessness. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. Repeated inhalation of excessive amounts of respirable silica may cause silicosis.

Aspiration hazard

No data available on mixture. Not expected to pose an aspiration hazard.

Potential health effects

Inhalation	Inhalation of dust may cause severe respiratory tract irritation/damage.
Ingestion	May be harmful if ingested in quantity with possible chemical burns to the throat and digestive tract.
Skin	May cause skin irritation, caustic burns, skin sensitisation and allergic contact dermatitis.
Eyes	Causes severe eye irritation and possible permanent damage.

Signs and Symptoms of Exposure

Exposure may cause the effects as described above.

Additional Information

Not available.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available. Alkaline solutions formed during contact with water will be dangerous to aquatic life in high concentrations.

12.2 Persistence and degradability Will not biodegrade in the environment.**12.3 Bioaccumulative potential**

No data available. Not expected to bioaccumulate.

12.4 Mobility in soil

Alkaline solutions formed during contact with water may penetrate soil causing groundwater contamination. Remaining insoluble components will be immobile.

12.5 Results of PBT and vPvB assessment

No data available. Will not meet PBT or vPvB criteria.

12.6 Other adverse effects No data available.**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Product**

Can be landfilled in compliance with local requirements and the Hazardous Waste Regulations 2005. The material should be buried to prevent possible generation of airborne respirable dust.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name ADR/RID/IMDG/IATA: Not dangerous goods**14.3 Transport hazard class(es)** Not applicable**14.4 Packaging group** Not applicable**14.5 Environmental hazards** Not applicable**14.6 Special precautions for user** Not applicable

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

Health & Safety at Work etc. Act 1974

Control of Substances Hazardous to Health Regulations 2002 (as amended)

Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008 (as amended)

EH40/2005 Workplace Exposure Limits (as amended)

Environmental Protection Act 1990

Hazardous Waste Regulations 2005 (as amended)

15.2 Chemical Safety Assessment No data available.

16. OTHER INFORMATION

Further information

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H335 May cause respiratory irritation

H373i May cause damage to organs through prolonged or repeated exposure through inhalation

Recommended restrictions on use

Use in accordance with manufacturer's technical instructions.

Revision History First

Issue.

Recommended restrictions on use

Use in accordance with manufacturer's technical instructions.

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling these products. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Hope Construction Materials (Hope). However, Hope makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.