



COMMON CEMENTS

SAFETY DATA SHEET

Updated January 2019



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

1.1 Product identifier

Breedon Products:

BREEDON KILN DRIED SAND

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

Kiln Dried Sand is suitable for use as a jointing or grouting sand for block paving projects, the laying and bedding in of paving slabs and as a dried building sand.

It is recommended that the material is not used in wet or damp conditions.

1.3. Details of the supplier of the safety data sheet

Breedon Cement Limited
Breedon Quarry
Breedon on the Hill
Derby
DE73 8AP

Telephone: **0845 520 1840**

Email: **bagged@breedongroup.com**

Web: **www.breedoncement.com**

1.4. Emergency telephone number

Telephone: **0845 520 1840**

SECTION 2: Hazards identification

The product is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP). This Safety Data Sheet provides advice to support the safe handling and use of the product.

2.1. Classification of the substance or mixture

Not applicable.

2.2. Label elements

Not applicable.

2.3. Other hazards

Avoid the generation and breathing of dusts and eye contact.

This mixture does not contain any substances that are assessed to be PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Product is composed of kiln dried sand. Contents include Silica (Silicon Dioxide/Quartz). Such materials may contain small amounts of fine fraction respirable crystalline silica.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Product is unlikely to cause health problems if handled correctly (see Sections 7 and 8). If first aid measures are required show this Safety Data Sheet to the first aider/doctor in attendance.

Inhalation

Move exposed person to fresh air and a dust free area. Keep person warm and at rest. Seek medical attention if breathing difficulties are experienced. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately. If unconscious, place in recovery position. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Do not induce vomiting. Get medical attention if adverse health effects persist or are severe.

Skin contact

Skin contact is unlikely to require first-aid measures. Wash skin with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Immediately flush eyes with plenty of water for 10-15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Protect unharmed eye. If eye irritation persists, seek medical attention.

See SECTION 11 for more detailed information on health effects and symptoms.

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

Over-exposure signs/symptoms

Inhalation: Inhalation of high levels of fine fraction respirable crystalline silica dust over a prolonged period may give rise to a number of respiratory illnesses including silicosis. People who develop silicosis have an increased risk of lung cancer.

Ingestion: No specific information.

Skin: No specific information.

Eyes: Product and dust may cause irritation to eyes.

See SECTION 11 for more detailed information on health effects and symptoms.

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

Notes to physician

No specific treatment. Treat symptomatically.

Protection of first aid personnel

No action shall be taken involving any personal risk or without suitable training.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Not applicable. Product is non combustible. No specific extinguishing media is needed in relation to the product.

5.2. Special hazards arising from the substance or mixture

No hazardous thermal decomposition products.

5.3. Advice for fire-fighters

Product is not flammable. No specific fire-fighting measures are required in relation to this product.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In the event of spillage avoid airborne dust generation. Avoid inhaling dust and contact with eyes. If required wear a dust mask or respirator and goggles (see **Section 8**).

6.2. Environmental precautions

No special requirements. Release of material into the environment does not constitute a significant environmental hazard.

6.3. Methods and material for containment and cleaning up

If possible avoid dry sweeping which generates dust. Vacuum dust where practical or use water spray to suppress dust.

6.4. Reference to other sections

See **Sections 8** and **13** for more details.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid generation and breathing of dusts. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. Where manual handling of bagged products cannot be avoided an assessment should be made, taking into account the load, environment, task and individual capability and training.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers closed and store packaged products so as to prevent bursting.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Exposure Limit Values (Workplace Exposure Limits)

Substance	CAS Number	Long term exposure limit (8hr TWA reference period)	Legal Reference
Portland cement - inhalable dust - respirable dust	-	10 mg/m ³	COSHH 2002 & HSE Document EH40/2005
		4 mg/m ³	
Silica, respirable crystalline	-	0.1 mg/m ³	COSHH 2002 & HSE Document EH40/2005

8.2. Exposure controls

General

Avoid generation and inhalation of dust and contact with eyes. Ensure that there is sufficient ventilation of the area.

Hygiene measures

Wash hands, forearms and face thoroughly after handling product.

Eye and face protection

Wear tightly fitting safety goggles or safety glasses that meet EN 166 a/o ANSI Z87.1 standards if there is a risk of eye contact.

Skin protection

No specific requirements. Wear abrasive resistant protective gloves if needed to protect sensitive skin.

Inhalation

Provide a good standard of general ventilation. In case of dust wear respiratory protective device with dust filter. Applicable standards for continuous wear time of less than 2 hour are BS EN 140 mask and BS EN 143 Filter; BS EN 1827.

USE	PROC*	Exposure	LOCALISED CONTROLS	EFFICIENCY
Industrial manufacture/ formulation of hydraulic building and construction materials	2,3	Duration is not restricted (up to 480 minutes per shift, 5 shifts a week)	not required	-
	14, 26		A) not required or B) generic local exhaust ventilation	- 78%
	5, 8b, 9		A) general ventilation or B) generic local exhaust ventilation	17% 78%
Industrial uses of dry hydraulic building and construction materials (indoor, outdoor)	2		not required	-
	14, 22, 26		A) not required or B) generic local exhaust ventilation	- 78%
	5, 8b, 9		A) general ventilation B) generic local exhaust ventilation	17% 78%
Industrial uses of wet suspension of hydraulic building and construction materials	7		A) not required or B) generic local exhaust ventilation	- 78%
	2, 5, 8b, 9, 10, 13, 14		not required	-
Professional use of dry hydraulic building and construction material (indoor, outdoor)	2		not required	-
	9, 26		A) not required or B) generic local exhaust ventilation	- 72%
	5, 8a, 8b, 14	A) not required or B) integrated local exhaust ventilation	- 87%	
	19	localised controls are not applicable, process only in good ventilated rooms or outdoor	-	
Professional uses of wet suspensions of hydraulic building and construction materials	11	A) not required or B) generic local exhaust ventilation	- 72%	
	2, 5, 8a, 8b, 9, 10, 13, 14, 19	not required	-	

* PROC's are identified uses and defined in **Section 16.2**.

General

Avoid generation and inhalation of dust and contact with eyes. Ensure that there is sufficient ventilation of the area.

**Hygiene measures**

Wash hands, forearms and face thoroughly after handling product.

**Eye/face protection**

Wear tightly fitting safety goggles or safety glasses that meet EN 166 a/o ANSI Z87.1 standards if there is a risk of eye contact.

**Skin protection**

No specific requirements. Wear abrasive resistant protective gloves if needed to protect sensitive skin.

**Inhalation**

Provide a good standard of general ventilation. In case of dust wear respiratory protective device with dust filter. Applicable standards for continuous wear time of less than 2 hour are BS EN 140 mask and BS EN 143 Filter; BS EN 1827.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

APPEARANCE	DESCRIPTION
Physical state	Granular solid
Colour	Sand colour
Odour	Odourless
Odour threshold	Not applicable
pH	No applicable
Melting point/freezing point	>1000°C
Initial boiling point and boiling range	Not applicable
Flash point	Non flammable
Evaporation rate	Not applicable
Flammability (solid, gas)	Non flammable
Flammability or explosion limits	
Upper	
Lower	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Approx 2.6
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

No specific information.

10.5. Incompatible materials

No specific information.

10.6. Hazardous decomposition products

No specific information.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data is available on the product. Based on the hazardous substances in the mixture and their concentration, the product has been assessed according to the calculation method of Regulation (EC) 1272/2008, as amended.

(a) Acute toxicity

Oral

Based on the available data on component substances, the classification criteria for acute oral toxicity are not met.

Dermal

Based on the available data on component substances, the classification criteria for acute dermal toxicity are not met.

Inhalation

Based on the available data on component substances, the classification criteria for acute inhalation toxicity are not met.

Other routes

No data available.

(b) Skin corrosion/irritation

Based on the available data on component substances, the classification criteria for skin corrosion/irritation are not met.

(c) Serious eye damage/irritation

Based on the available data on component substances, the classification for eye damage/irritation are not met. Dust particles in the eye may cause irritation if not thoroughly rinsed out with water.

(d) Respiratory or skin sensitization

Based on the available data on component substances, the classification criteria for respiratory and skin sensitisation are not met.

(e) Germ cell mutagenicity

Based on the available data on component substances, the classification criteria for germ cell mutagenicity are not met.

(f) Carcinogenicity

Based on the available data on component substances, the classification criteria for carcinogenicity are not met.

(g) Reproductive toxicity

Based on the available data on component substances, the classification criteria for reproductive toxicity are not met.

(h) STOT-single exposure

Based on the available data on component substances, the classification criteria for specific target organ toxicity resulting from a single exposure are not met.

(i) STOT-repeated exposure

Based on the available data on component substances, the classification criteria for specific target organ toxicity resulting from repeated exposure are not met. Inhalation of high levels of fine fraction respirable crystalline silica dust over a prolonged period may give rise to a number of respiratory illnesses including silicosis. People who develop silicosis have an increased risk of lung cancer.

(j) Aspiration hazard

Based on the available data on component substances, the classification criteria for aspiration hazard are not met.

Other information

No specific information.

SECTION 12: Ecological information

12.1. Toxicity

No data is available on the product. Based on the hazardous substances in the mixture and their concentration the product has been assessed according to the calculation method of Regulation (EC) 1272/2008.

The product is not classified as being dangerous for the environment.

12.2. Persistence and degradability

Not applicable. Stable naturally occurring inorganic material.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No information.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dust formation from residues in packaging should be avoided and suitable protective equipment worn if required. Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste

The classification of the product does not meet the criteria for a hazardous waste.

SECTION 14: Transport information

The product is not classified as dangerous for transport.

14.1. UN number

Not relevant

14.2. UN proper shipping name

Not relevant

14.3. Transport hazard class(es)

Not relevant

14.4. Packing group

Not relevant

14.5. Environmental hazards

Not relevant

14.6. Special precautions for user

Not relevant

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

CLP - Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

REACH Status

The substance(s) in this product are exempt from Registration requirements according to Regulation (EC) No. 1907/2006 (REACH).

UK Regulations

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

15.2. Chemical Safety Assessment

Not applicable.

SECTION 16: Other information**Abbreviations**

PBT Persistent, bioaccumulative and toxic.

vPvB Very persistent and very bioaccumulative.

History**Date of printing**

Date of issue/Date of revision 12/06/2016

Date of previous issue Not applicable(1)

Version 01

Note (1) – New SDS.

Disclaimer

The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user.

It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his/her own activities.