

CONSTRUCTION CHEMICALS

SAFETY DATA SHEET

CEMENT BASED POWDERS

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

1.1. Product identifier

Product Name: All Construction Chemicals Cement based powders.

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

Identified uses: Various within the building trade.

Uses advised against: No specific uses advised against are identified as long as current literature is followed.

1.3. Details of the supplier of the safety data sheet

Supplier:

Construction Chemicals (UK) Ltd.,

Units 1 & 2a, Lazarus Court,

Wood gate,

Rothley,

Leicester,

LE7 3TD.

Tel: 0116 2301955 Mon-Fri 8.30am - 4.30pm

Fax: 0116 2301944

E-mail: sales@constructionchemicals.co.uk

1.4 Emergency telephone number

0116 2301955 Mon-Fri 8.30am – 4.30pm

SECTION 2: Hazards identification.

2.1. Classification of the substance or mixture

Physical hazards – Not classified

Health hazards – Skin irritant 2 - H315. Eye damage – H318. Skin sensitivity 1 – H 317.

Environmental hazards – Not classified

Classification (67/548/EEC or 1999/45/EC) – Xi:R41

Human health

When mixed with water cement based products may cause burn and /or serious eye damage. They also contain a low level of soluble Chromium VI. A reducing agent has been added which will keep the level below 0.0002% when stored correctly and used within the product shelf life.

Environmental

Cement based products may affect the alkalinity in water with risk to aquatic organisms.

2.2. Label elements

Pictogram

Corrosive and exclamation mark

Signal word

Danger

Hazard statements

H318 – causes serious eye damage

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

H335 – May cause respiratory irritation

Precautionary statements

P102 – Keep out of reach of children

P280 – Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice or attention

P302+P352+P333+P313: IF ON SKIN: Wash with plenty of water. If irritation persists seek medical attention

P261+P304+P340+P312: Avoid breathing dust. IF INHALED: Remove victim to fresh air and keep at rest. If unwell seek medical attention.

P501 – Dispose of packaging in accordance with local or national regulations.

2.3. Other hazards

Cement does not meet the criteria for PBT or vPvB in accordance with the Annex XIII of REACH (Regulation (EC) No 1907/2006)

SECTION 3: Composition/information on ingredients.

3.2. Mixtures

Cement 25-40%

CAS number: 65997-15-1

Einecs number: 266-043-4

Classification

Classification (67/548/EEC or 1999/45/EC)

Skin Irritation 2 – H315

Xi;R41, R37/38,R43.

Eye Damage 1 – H318

Skin sensitisation 1 – H317

STOT SE 3 – H335

The full text for all R-phrases and Hazard Statements are shown in Section 16.

Composition comments

The mixtures contain cement/silica sand, extenders and small amounts of additives. They may contain low levels of crystalline silica.

SECTION 4: First aid measures.

4.1. Description of first aid measures

General information

Remove person affected from source of contamination

Eye contact

Do not rub eyes. Remove contact lenses. Open eye lids and wash thoroughly with plenty of water for 20 minutes. Seek medical attention if symptoms persist.

Inhalation

Move affected person to fresh air. Seek medical attention if symptoms exist

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Seek medical attention if symptoms persist.

Skin contact

Remove contaminated clothing. Rinse with plenty of water. Seek medical attention if symptoms exist.

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

General information

The severity of the symptoms will vary upon the concentration and length of exposure.

Inhalation – may cause irritation

Ingestion – may cause discomfort if swallowed

Skin contact – Causes skin irritation and possible allergic reaction

Eye contact – Can cause serious eye damage

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

When contacting a physician have this document available.

SECTION 5: Firefighting measures.

5.1. Extinguishing media

Cements are not flammable

5.2. Special hazards arising from the substance or mixture

Cement based products are non-combustible and non-explosive and will not sustain the combustion of other products

5.3. Advice for firefighters

Cement based products pose no fire related hazards. No need for special protective equipment.

SECTION 6: Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions – avoid inhalation of dust and contact with skin and eyes

6.2. Environmental precautions

Do not discharge into drains, watercourses or on to ground

6.3. Methods and material for containment and cleaning up

Avoid creating dust. Sweep up into suitable container and dispose of as hazardous waste

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

Usage precautions – Avoid handling which causes dust formation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions – Product should be stored in cool dry conditions and stacked in a stable manner. Do not transport wet in aluminium containers due to incompatibility.

Storage class – Miscellaneous hazardous material storage

7.3. Specific end uses

Specific end use – See product label for identified uses

SECTION 8: Exposure Controls/Personal Protection.

8.1. Control parameters

Occupational exposure limits

Silica Sand

Long-term exposure limit (8 hour TWA): WEL 0.1mg/m³

Short-term exposure limit (15 minute): WEL

Calcium Carbonate

Long-term exposure limit (8hour TWA): WEL 10 total dust; 4 respirable dust mg/m³

Cement

Long-term exposure limit (8 hour TWA): WEL 10 total dust; 4 respirable dust mg/m³

Short-term exposure limit (15 minute): WEL

WEL – Workplace Exposure Limit

Ingredient comments

Products may contain low levels of crystalline silica (WEL 0.1mg/m³; 8 hour TWA)

8.2. Exposure controls

Protective equipment

Face mask, gloves, overalls and goggles.

Appropriate engineering controls

Ensure adequate ventilation. Avoid inhalation of dust . Observe exposure limits.

Personal protection

Use appropriate products

Eye/Face protection

If there is a risk of splashing wear chemical resistant goggles approved to BS EN 166

Hand protection

If skin contact is possible use chemical resistant gloves especially when handling wet material.

Other skin and body protection

Wear overalls or other suitable clothing

Hygiene measures

Replace contaminated clothing and wash frequently

Respiratory protection

If airborne contamination exceeds the occupational exposure level a dust mask approved to EN 149:2001 FFP2 is recommended.

Environmental exposure controls

Empty containers or surplus material should be disposed of in accordance with local and national provisions

SECTION 9: Physical and Chemical Properties.

Appearance

Appearance – powder

Colour – grey

Odour – slight

pH – highly alkaline when mixed with water

Flash point – n/a

Relative density – 2.5/3

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity.

10.1. Reactivity

When mixed with water will harden into a stable mass that is not reactive in normal environments.

10.2. Chemical stability

Stable at normal temperature and when used as directed.

10.3. Possibility of hazardous reactions

Under normal conditions of use no hazardous reactions will occur.

10.4. Conditions to avoid

Humid conditions during storage may cause lumps to form and loss of quality.

10.5. Incompatible materials

Avoid acids, ammonium salts and aluminium.

10.6. Hazardous decomposition products

Does not decompose when used and stored as directed

SECTION 11: Toxicological information.

11.1. Information on toxicological effects

Toxicological effects – detailed information on Cemex UK Bulk and Packed Cements Version 6 May2015.

General information – Contains Chromium (VI). May produce an allergic reaction. Dust in high concentrations may cause respiratory irritation. The product may contain a small percentage of respirable crystalline silica. Prolonged exposure to dust may result in long term irreversible effects.

Ingestion

Ingestion of small amounts is unlikely to cause any significant reaction. Large doses may give rise to irritation in the intestinal tract.

Skin contact

Prolonged contact with the powder or mixtures with water may cause burns and/or dermatitis to uncovered skin.

Eye contact

Risk of serious eye damage

Acute and chronic health hazards

Irritating to eyes. May cause skin sensitisation or allergic reactions.

Route of entry

Skin and /or eye contact

Medical symptoms

Irritation of eyes and skin

Medical considerations

Pre-existing problems with eyes, skin and any other allergies

SECTION 12: Ecological information.

Ecotoxicity

When mixed with water the product will affect alkalinity which may prove hazardous to aquatic organisms

12.1. Toxicity

The product is not hazardous to the environment

12.2. Persistence and degradability

Not relevant. After hardening product presents no toxicity risks

12.3. Bioaccumulative potential

Not relevant. After hardening product presents no toxicity risks

12.4. Mobility in soil

Not relevant. After hardening product presents no toxicity risks

12.5. Results of PBT and vPvB assessment

Not relevant. After hardening product presents no toxicity risks

12.6 Other adverse effects

Not relevant. After hardening product presents no toxicity risks

SECTION 13: Disposal considerations.

13.1. Waste treatment methods

Disposal methods – small amounts can be mixed with water and allowed to cure fully before disposal as low hazard waste. Larger quantities should be disposed of as hazardous waste in accordance with local and national guidelines.

Waste class – Hazardous waste code for Powder: 16 03 03

SECTION 14: Transport information.

This product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID), therefore no classification is required.

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 Marpol 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information.

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

National regulations

Control of Substances Hazardous to Health Regulations (COSHH) 2002

Control of Substances Hazardous to Health Regulations (Amendment) Regulations 2004

HSE Guidance Note EH40 (Workplace Exposure Limits)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information.

General information – Product technical Information Sheet

Key literature references and sources for data

Health and Safety Executive Guidance Note EH40. Workplace Exposure Limits.

Revision comments

This is Issue 1

SDS Status – Approved

Risk phrases in full

R37/38 Irritating to respiratory system and skin

R38 Irritating to skin

R41 Risk of serious eye damage

R43 May cause sensitisation by skin contact

Hazard statements in full

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H355 May cause respiratory irritation

Disclaimer

The information on this data sheet reflects currently available knowledge and is reliable provided the product is used correctly as per the Product Data Sheet. Any other use is the responsibility of the user. It is the responsibility of the user for determining safe working procedures using the information supplied by the manufacturer.