

PRE-CAST CONCRETE PRODUCTS SAFETY DATASHEET



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier

Product name: Pre-Cast Concrete Products

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

Identified uses: Precast concrete articles for used for construction, industrial and engineering applications.

1.3 Details of the supplier of the safety data sheet

Supplier/distributor:

Holcim UK
Bardon Hall
Copt Oak Road
Markfield
Leicestershire
LE67 9PJ
United Kingdom

Telephone: 01530 510006 (General Technical Enquiries)

1.4 Emergency telephone number

UK National Poisons Information Service **0344 892 0111**
(Health professionals only)

Ireland National Poisons Information Centre **(01) 809 2566**

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No.1272/2008: Pre-cast concrete items are classified as articles under EC/1272/2008 and therefore not classified as hazardous under EC/1272/2008. These items have the potential for generation of respirable dust if the product is drilled, cut, sawn, crushed or accidentally broken up. Dust may contain respirable crystalline silica. Prolonged inhalation of respirable dust may cause lung fibrosis. Principal symptoms of lung fibrosis are cough and breathlessness. Repeated inhalation of excessive amounts of respirable silica may cause silicosis.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Article

Pre-cast concrete articles are classified as articles and therefore not notifiable under EC/1907/2006 and not reportable under Article 31 of EC/1907/2006.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled: Not applicable when intact.

In case of skin contact: Not applicable when intact.

In case of eye contact: Not applicable when intact.

If swallowed: Not applicable when intact.

4.2 Most important symptoms and effects, both acute and delayed

The product when handled in the form supplied is not dangerous for the human health.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media - Suitable extinguishing media

Material is not flammable or combustible. Use media suitable for any other materials present that may be involved in a fire.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Material will not burn and will not be affected by other extinguishing media used to fight fires that may be present in surrounding areas.

5.4 Further information

Prolonged exposure to severe fires may cause spalling in concrete articles.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2 Environmental precautions

Not applicable.

6.3 Methods and materials for containment and cleaning up

Not applicable.

6.4 Reference to other sections

For disposal see section 13.



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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use heavy duty gloves to prevent mechanical irritation when handling pre-cast concrete articles.

7.2 Conditions for safe storage, including any incompatibilities

Not applicable.

7.3 Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with occupational exposure limits

None in the form of pre-cast articles. If pre-cast articles are used in such a way to liberate concrete dust then consideration needs to be taken regarding potential exposure to respirable crystalline silica and other nuisance dusts that may be released in variable proportions.

8.2 Exposure controls

Appropriate engineering controls

Use in well ventilated areas. Use mechanical ventilation in poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT

Eye/face Protection: Not applicable.

Skin Protection: Not applicable.

Body Protection: Not applicable.

Respiratory Protection: Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	A range of plain and coloured concrete products, including kerbs, slabs, edgings, channels, drainage units, paving blocks, etc)
Odour	None
Odour Threshold	Not applicable
pH	Not applicable
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Non flammable
Upper/lower flammability or explosive limits	Non-explosive
Vapour pressure	No data available
Vapour density	Not applicable
Relative density	No data available
Water solubility	No data available
Partition coefficient: (n- octanol/water)	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity	Not applicable
Explosive properties	None
Oxidizing properties	None

9.2 Other information

No data available.



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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available on article.

10.2 Chemical stability

Stable at normal temperatures and under recommended storage conditions.

10.3 Possibility of hazardous reactions

None expected under normal conditions.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not applicable

Skin corrosion/irritation and serious eye damage/eye irritation

Not applicable

Respiratory or skin sensitisation

Not applicable

Germ cell mutagenicity

Not applicable

Carcinogenicity

Not applicable

Reproductive toxicity

Not applicable

Specific target organ toxicity - single exposure

Not applicable

Specific target organ toxicity - repeated exposure

Not applicable

Aspiration hazard

Not applicable

Potential health effects - Inhalation, ingestion, skin and eyes

None when intact. Prolonged handling of pre-cast concrete articles may cause mechanical abrasion of skin.

Signs and Symptoms of Exposure

None when intact.

Additional Information

Not applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not applicable.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Will not meet PBT or vPvB criteria.

12.6 Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

To be disposed of by recycling or reuse. Not classified as hazardous waste, can be disposed of as normal industrial waste.

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine Pollutant: no IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

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SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 (as amended) and SI 2019:758 (UK REACH)

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)

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

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.

SECTION 16: OTHER INFORMATION

Further information

Text of H-code(s) and R-phrases mentioned in Section 3

None

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 Holcim UK Limited. (Holcim). However, Holcim 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.

Revision History

Revision to version 1 of May 2015 in line with legislative updates and changes.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II and SI 2019:758 (UK REACH)

Version 2 Revision Date 14.6.2021