

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

1.1. Product identifier

Product name COLAS HSC-10

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

Identified uses Rapid high strength concrete

1.3. Details of the supplier of the safety data sheet

Supplier Colas Ltd
 Wallage Lane
 Rowfant
 Crawley
 West Sussex RH10 4NF

Telephone number: +44 1342 711000
 Fax: +44 1342 711199
info@colas.co.uk
<http://www.colas.co.uk>

1.4. Emergency telephone number

Emergency telephone Tel: +44 1342 718346

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
 Health hazards Eye Irrit. 2 - H319 Skin Sens. 1 - H317
 Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P501 Dispose of contents/ container in accordance with national regulations.
 P402+P404 Store in a dry place. Store in a closed container.
 Use within six months of date of manufacture.

Contains Portland Cement

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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PORTLAND CEMENT	1-5%
CAS number: 65997-15-1	EC number: 266-043-4

Classification

Skin Irrit. 2 - H315
 Eye Dam. 1 - H318
 Skin Sens. 1 - H317
 STOT SE 3 - H335

ALUMINIUM OXIDE	<1%
CAS number: 1344-28-1	REACH registration number: 01-2119529248-35-0000

Classification

STOT SE 3 - H335

IRON OXIDE DUST AND FUME	<1%
CAS number: 1309-37-1	REACH registration number: 01-2119457614-35-0000

Classification

Skin Irrit. 2 - H315
 Eye Irrit. 2 - H319
 STOT SE 3 - H335

CALCIUM OXIDE	<1%
CAS number: 1305-78-8	REACH registration number: 01-2119475325-36-0000

Classification

Skin Irrit. 2 - H315
 Eye Irrit. 2 - H319
 STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (50-100 ml for an adult person): Take to hospital along with these instructions.

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- Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
- Eye contact** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
- Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

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

General Information See Section 11 for additional information on health hazards.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid generation and spreading of dust. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin, eyes and clothing.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

PORTLAND CEMENT

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
 Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
 Long-term exposure limit (8-hour TWA): WEL 10mg/m³ (inh) 4mg/m³ (resp) (Ireland)

CALCIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
 Long-term exposure limit (8-hour TWA): 5 mg/m³ (Ireland)

SILICA SAND

Long-term exposure limit (8-hour TWA): 0.1 mg/m³
 Short-term exposure limit (15-minute): 0.1 mg/m³ (Ireland)

ALUMINIUM OXIDE

Long-term exposure limit (8-hour TWA): 10 (inh) mg/m³ 4 (resp) mg/m³
 Long-term exposure limit (8-hour TWA): WEL 10mg/m³ (inh) 4mg/m³ (resp) (Ireland)

IRON OXIDE DUST AND FUME

Long-term exposure limit (8-hour TWA): WEL 5mg/m³ (as fume, Fe)
 Short-term exposure limit (15-minute): 10mg/m³ (as fume, Fe)
 Long-term exposure limit (8-hour TWA): WEL 5mg/m³ (as fume, Fe) (Ireland)
 Short-term exposure limit (15-minute): 10mg/m³ (as fume, Fe) (Ireland)

CALCIUM OXIDE

Long-term exposure limit (8-hour TWA): 2 mg/m³
 Long-term exposure limit (8-hour TWA): 2 mg/m³ (Ireland)
 WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.
Eye/face protection	Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Wear protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	Grey.
Odour	Odourless.
pH	Approximately 12 - 13 in aqueous solution.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Vapour pressure	Not applicable.
Relative density	>1

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Human skin model test Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Skin sensitisation

Skin sensitisation Sensitising.

Specific target organ toxicity - single exposure

Target organs Respiratory system, lungs

Aspiration hazard

Aspiration hazard May be harmful if swallowed and enters airways.

Inhalation Irritating to respiratory system.

Skin contact May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

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SECTION 12: Ecological Information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General Not classified as hazardous for transport.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Hazard statements in full H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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