

Calcium Silicate

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

1.1. Product identifier

Product name: Calcium Silicate
CAS Number: 1344-95-2
EC Number: 935-756-9

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

Product use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3: Composition/information on ingredients

Mixtures

CAS #	Content (W/W)	Ingredients
1344-95-2	-	Calcium Silicate

Chemical name: Calcium Silicate

Common name / synonyms: Calcium Silicate

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Section 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water

In case of eye contact: Flush eyes with water as a precaution

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Calcium oxide, silicon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed container for disposal

Section 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed

7.2 Conditions for safe storage, including any incompatibilities

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

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Section 8: Exposure controls/personal protection

8.1 Control parameters

No information available

8.2 Exposure controls

General industrial hygiene practice.

8.3 Personal protective equipment

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance level (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	No information available
Physical State	Solid
Odor	No information available
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No information available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity / Density	No information available
Bulk Density	300 kg/m ³ at 20 C
Water Solubility	0.26 g/l at 20 C

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Solubility in other solvents
Partition Coefficient
Auto-ignition temperature
Decomposition temperature

No information available
No information available
No information available
No information available

Section 10: Stability and Reactivity

10.1 Reactivity

No information available

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

Strong oxidising agents

10.6 Hazardous decomposition products

Formed under fire conditions: Calcium oxide, silicon oxides

Section 11: Toxicological Information

11.1 Toxicological effects:

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity:

Chromosome aberration test in vitro

Other cell types

Result: negative

OECD Test Guideline 475 in vivo assay

Result: negative

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 data available

Specific target organ toxicity – single exposure

No data available

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Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

Section 12: Ecological Information

12.1 Toxicity

No data available

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal of substance:

Offer surplus and non-recyclable solutions to a licensed disposal company

Container disposal:

Dispose of as unused product.

Section 14: Transport Information

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

For this product a chemical safety assessment was not carried out