

MATERIAL SAFETY DATA SHEET

REINFORCED MICROCEMENT C

1. IDENTIFICATION of PRODUCT and company

PRODUCTS

Trading name Color
REINFORCED MICROCEMENT C white

Type of product and use: Cement based floor coating powder

PRODUCER

Producer's data: STUCCO ITALIANO
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2. IDENTIFICATION OF HAZARD

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

According to Regulation (EC) No 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statements
Skin irritation	2	H318: Causes serious eye damage
Serious eye damage/eye irritation	1	H315: Causes skin irritation
Skin sensitisation	1B	H317: May cause an allergic skin reaction
Specific target organ toxicity single exposure respiratory tract irritation	3	H335: May cause respiratory irritation

2.2 LABEL ELEMENTS

According to Regulation (EC) No 1272/2008 (CLP) *Hazard pictograms*



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. Immediately call a POISON CENTER or doctor/physician.

P302+P352+P333+P313 P261+P304+P340+P312

Supplemental information

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Avoid breathing dust. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Dispose of product/packaging by hardening with the application of water and dispose of as concrete waste.

Skin contact with wet cement, fresh concrete or mortar may cause irritation, dermatitis or burns. May cause damage to products made of aluminium or other non-noble metals.

2.3 OTHER HAZARD

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

When cement reacts with water, for instance when making concrete or mortar, or when the cement becomes damp, a strong alkaline solution is produced. Due to the high alkalinity, wet cement may provoke skin and eye irritation.

3. COMPOSITION

White cement, Calcium Carbonate, Marble powder, Dolomite, Hydroxyethylcellulose

Hazardous substances in compliance with Directive 67/578/EEC as amended, or for which there are exposure limits:

Cement 26 % CAS Number 65997- 15-1

Calcium Carbonate (CAS 1317-65-31)

Limestone (CAS 474-34-1)

4. FIRST-AID MEASURES

Contact with skin	Remove contaminated garments. Rinse thoroughly with plenty of water and soap.
Contact with eyes	Rinse immediately with plenty of running water, with eyelids open, for at least 10 minutes. Seek medical advice if necessary. Do not use eye drops or any kind of lotion unless prescribed by a specialist.
Swallowing	Seek medical advice.
Inhalation	Move the person to fresh air. If breathing is difficult give oxygen or, in critical situations, administer artificial respiration. Seek medical advice.

5. FIRE-PREVENTION MEASURES

Non-flammable product.
 Autoignition Temperature NA
 Flammability Limits (vol/vol%) Lower NA Upper NA
 Appropriate extinguishing media must be used to surrounding fire.
 Fire fighters have to use self-contained breathing apparatus.
 High temperature and fire may cause production of toxic fumes.

6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Individual precautions	Wear protective garments, gloves, glasses and dust mask.
Environmental precautions Environmental precautions	Limit leaks with soil, sand and sawdust. Notify to the competent authorities if the product has run into a watercourse, into the drainage system or has contaminated the soil or vegetation.
Cleaning methods	Collect as much product as possible, possibly absorb the residue with inert material. Wash the area with water. Remove everything in compliance with the relevant regulation.

7. HANDLING AND STORAGE

Handling precautions	Avoid contact. Do not eat or drink during handling. Use with adequate ventilation
Incompatible materials	None in particular.
Storage condition	Keep the containers properly closed, in suitable space at a temperature between +5°C and +30°C.

8. INDIVIDUAL CONTROL

Precautionary measures	Do not eat or drink during work, wash hands at every break and at end of work.
Breathing protection	Use a NIOSH/MSA approved respirator when using. OSHA regulation in European standard EN149 or US stnd 29 CFR 1910.134
Protection of hands	Protective gloves.
Protection of eyes	Safety glasses with side shields.
Protection of skin	No safety measures for normal use.
Exposure limits:	No safety measures for normal use.

9. CHEMICAL/PHISICAL CHARACTERISTICS OF THE PRODUCT

Physical state	Powder
Colour	White.
Odour	Weak.
pH value	12,0 ± 0,40.
Freezing point	0°C. 32°F. after mixed with water.
Boiling point	98°C / 208°F. after mixed with water.
Flash point	Non applicable - Non flammable.
Water solubility	Dispersible. Insolubile.

Specific weight 1,20 ± 0,05 Kg/l at 20° C.

10. STABILITY AND REACTIVITY

Condition to be avoided None in particular. Stable in normal conditions.

Substances to be avoided None in particular.

Hazards from decomposition None.

11. TOXICOLOGICAL INFORMATION

Specific toxicological information not available.

Frequent and prolonged contact causes irritation of skin, respiratory organs and eyes.

Carcinogenity ND

Chronic Toxicity ND

12. ECOLOGICAL INFORMATION

Do not disperse the product in the environment.

Waste waters and residues do not have to be poured into drains, into the ground or in watercourses.

The product is not hazardous to the environment. Ecotoxicological tests with cement on *Daphnia magna* [Reference (5)] and *Selenastrum coli* [Reference (6)] have shown little toxicological impact. Therefore LC50 and EC50 values could not be determined [Reference (7)]. There is no indication of sediment phase toxicity [Reference (8)]. The addition of large amounts of cement based material to water may, however, cause a rise in pH and may, therefore, be toxic to aquatic life under certain circumstances.

13. INFORMATION ON DISPOSAL

Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current local regulations, (EU: as per Leg. Decree 22 dated 5/2/97).

14. INFORMATION ON TRASPORT

By road non-hazardous material, non-flammable non-explosive, not subject to regulation (A.D.R.)

By rail non-hazardous material, non-flammable non-explosive, not subject to regulation

(RID)

By sea	non-hazardous material, non-flammable non-explosive, not subject to regulation (IMDG Code)
By air	non-hazardous material, non-flammable non-explosive, not subject to regulation (IATA)
For US Department of Transportation:	Proper shipping name : none Hazard Class : none ID Number : none Packaging Group : none

15. INFORMATION ON REGULATIONS

Cement and carbonate is a mixture according to REACH and is not subject to registration. Cement is exempt from registration (Art 2.7 (b) and Annex V.10 of REACH).

No chemical safety assessment has been carried out for this mixture by the supplier.

16. OTHER INFORMATION

Abbreviations and acronyms

ACGIH American Conference of Governmental Industrial Hygienists ADR/RID European Agreements on the transport of Dangerous goods by

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

APF Assigned protection factor

CAS Chemical Abstracts Service

CLP - CLP Regulation ensures that the hazards presented by chemicals are clearly communicated to workers and consumers in the European Union through classification and labelling of chemicals.

ECHA European Chemical Agency

FM P GefStoffV HEPA H&S IATA IMDG

IMDG Code International Maritime Dangerous Goods Code

MSDS Material safety Data Sheet

N/A Not Applicable

ND Not Determined

OSHA Occupational Safety and Health Administration

REACH Registration, Evaluation and Authorisation of Chemicals

RID *Regulations* concerning the International Carriage of Dangerous Goods by Rail

SDS Safety Data Sheet

Key literature references and sources of data

1. *Portland Cement Dust - Hazard assessment document EH75/7, UK Health and Safety Executive, 2006.* Available from: <http://www.hse.gov.uk/pubns/web/portlandcement.pdf>.
2. *Observations on the effects of skin irritation caused by cement, Kietzman et al, Dermatosen, 47, 5, 184-189 (1999).*
3. *European Commission's Scientific Committee on Toxicology, Ecotoxicology and the Environment (SCTEE) opinion of the risks to health from Cr (VI) in cement (European Commission, 2002).* http://ec.europa.eu/health/archive/ph_risk/committees/sct/documents/out158_en.pdf.
4. *Epidemiological assessment of the occurrence of allergic dermatitis in workers in the construction industry related to the content of Cr (VI) in cement, NIOH, Page 11, 2003.*

Relevant H-Statements

H318: Causes serious eye damage

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation

The information contained herein is based on our knowledge at the date given below, refers only to the product indicated and does not represent a guarantee of particular qualities.

The user has to make sure of the suitability and completeness of such information in relation with the specific use and always under his responsibility act in accordance with the regulation on health, safety and environmental protection, provided by current laws.

The manufacturer declines all liability for improper use.

This card cancels and replaces all previous editions.