

SPS Envirowall Ltd



Safety Data Sheet
according to (EC) 1907/2006 - Artclie 31

ISO No. 5786

Version 2

Date prepared: May 2022

SECTION 1 Identification of the article and of the company/undertaking

1.1 Product identifier

Trade Name: Cement'in C+G
Identification of the product: Product Name: Cement'in C+G
Product Code: ESPS/C&G

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

Use: Ready to use mortar (prefabricated) for building

1.3 Details of the supplier of the safety data sheet

Supplier
SPS Envirowall Ltd
Lonsdale Chambers
Lonsdale Street
Stoke on Trent
Staffordshire
ST4 4BT
Email: info@spsenvirowall.co.uk
Telephone: 08451300983

1.4 Emergency telephone NHS : 111

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation CLP (CE) n° 1272/2008 & adaptations: H315 Causes skin irritation – Category (Skin Irrit.2)
H317 May cause an allergic skin reaction – Category 1 (Skin Sens.1)
H318 Causes serious eye damage – Category (Eye Dam.1)
H335 May cause respiratory irritation – Category 3 (STOT SE 3)

2.2 Label elements

Label in compliance with EC regulation No 1272/2008 (CLP):

Hazard pictograms: GHS05 Corrosive material cat. 1
GHS07 Toxicity irritant cat. 2



Signal Word: Danger

Components for label Cement and/or chalk

Hazard statements: H 315 Causes skin irritation.
H 317 May cause an allergic skin reaction.
H 318 Causes serious eye damage.
H 335 May cause respiratory irritation.

Precautionary statements: P 101 If medical advice is needed, have product container or label at hand.
P 102 Keep out of reach of children.
P 280 Wear protective gloves/protective clothing/eye protection/face protection.
P 305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and possible. Continue rinsing.
P 310 Immediately call a POISON CENTER or doctor.
P 333+P313 If skin irritation or rash occurs: get medical advice/attention.

2.3 Other hazards

Information for environment: Not applicable
PBT assessment: Not applicable
vPvB assessment: Not applicable

SECTION 3 Composition/information on ingredients

3.1 Substances: The preparation is based on the substances mentioned below and non-hazardous additives.
3.2 Mixtures/substances: • Cements
• Quartz sand and aggregates of various grain size without fine particles
• Possibly additives

Components presenting a (hazard)

Substance Name	CAS No	EINECS:	Concentration	Classification (REGULATION (EC) No 1272/2008)
Cement according to EN 197-1	65997-15-1	266-043-4	10-45%	H 315 Causes skin irritation. H 317 May cause an allergic skin reaction. H 318 Causes serious eye damage. H 335 May cause respiratory irritation.
Chalk according to EN 459-1	CAS: 1305-62-0 (HL) CAS: 85117-09-5 (NHL)	215-137-3 285-561-1	0-35%	H 315 Causes skin irritation. H 317 May cause an allergic skin reaction. H 318 Causes serious eye damage. H 335 May cause respiratory irritation.
Quartz sands/aggregates according to EN 13139 and/or EN 12620 (*)	14808-60-7	238-878-4	40-80%	Not applicable
Limestone filler (*)	471-34-1	207-439-9	0-15%	Not applicable

(*) Substance for which there are exposure limits, according to community exposure limits, for workplace (consult section 8)

SECTION 4 First aid measures

4.1 Description of first aid measures

General Remarks: Remove person from the danger area and get medical attention. Bring with you this material data sheet.

Inhalation: Rinse nose & throat with clean water (only if the person is conscious). Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

Eye contact: Do not rub in order to avoid further damage to the cornea.
Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
Bring with you this material safety data sheet.

Skin contact: Beware of the product that may remain between skin & clothing, watch, shoes, etc....
In case of allergic reaction, get medical attention.
When the contaminated area is extensive and / or if there are skin injuries, it is necessary to get medical attention or transfer to a hospital.
If the powder is dry, remove the dust as much as possible and wash with plenty of water. If powder is mixed with water, wash with plenty of water.

Ingestion: If the quantity is low, rinse the mouth with water and get medical attention. In case of a larger quantity, do not give a drink; do not induce vomiting, transfer the person to a hospital and show the bag with label and/or material data sheet of the product.

4.2 Most important symptoms and effects, both acute and delayed

Eyes: Any eye contact with cement (dry or wet) may cause serious eye damage potentially irreversible

Skin: Cement may have an irritating effect on wet skin (through perspiration or ambient humidity) after prolonged contact, or may cause allergic reaction (eczematous dermatitis) after repeated contact.
A prolonged skin contact with wet cement or wet mortar/concrete may cause severe burns because they occur without the person experiencing pain (this can occur e.g. by kneeling in the concrete, even through the pants).

Inhalation: Repeated inhalation of cement dust over a long period increases the risk of developing lung diseases.

4.3 Indication of any immediate medical attention and special treatment needed

No important information is available.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media In case of fire, use fire-extinguishing agent suitable in the form of powder (foam or CO₂) for the surrounding fire or any other authorized agent. The product is not flammable.

5.2 Special hazards arising from the substance or mixture
There is no risk of fire or explosion.
No important information is available.

5.3 Advice for fire-fighters

Special protection equipment: Wear a suitable breathing apparatus to enter rooms full of smoke.

Protective actions during firefighting: No specific firefighting precautions are necessary.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-rescuers: Avoid contact with skin and eyes.
Avoid breathe in the dust. Wear a suitable dust mask in case of sincere dust formation.
Provide proper ventilation.

6.1.2 For rescuers: Avoid contact with skin and eyes.
Avoid breathe in the dust. Wear a suitable dust mask in case of sincere dust formation.
Provide proper ventilation.
Rescuers will be equipped with appropriate personal protection (refer to section 8).

6.2 Environmental precautions Place waste containers for residual waste according to the local regulation.
If the product contaminates waterways, rivers or sewers, alert the relevant authorities according to the prescribed procedures.
Avoid pouring large quantities of powder into sewers and surface water.

6.3 Methods and material for containment and cleaning up
Use mechanical clean up methods that do not cause airborne dispersion and deposit it into an appropriate container.
After setting, the product can be disposed of as building waste.

6.4 Reference to other sections Consult section 7 for information about safety use.
Consult section 8 for information about personal protection equipment.
Consult section 13 for information about waste disposal.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Fire prevention: There is not specific measure.

Recommended equipment & procedures: Avoid imperatively skin and eye contact with the product.

Wash hands after each use. Remove and wash contaminated clothing before re-use. Handle preferably in sufficiently ventilated rooms or outdoor. Avoid dust formation during use. If it cannot be avoided, wear a dust mask.

Forbidden equipment & procedures: It is forbidden to smoke, eat and drink in the rooms where the mixture is used.

7.2 Conditions for safe storage, including any

Storage: Keep away from water or humidity.
Keep only original closed packaging into a dry place.
Avoid dust dispersion.
Keep away from children.

Packaging: Keep only original closed packaging.

7.3 Specific end use(s): No other important information available.

SECTION 8 Exposure controls/personal protection

Additional indications for the layout of technical installations The product does not contain significant quantities of substances for the threshold values to be monitored on the workplace.

8.1 Control parameters

Components with limit values to be monitored at the workplace.

CAS No	Designation of the substance	Exposure limit values
CAS: 65997-15-1 EINECS: 266-043-4	Cement according to EN 197-1	MAC (NL) 10 mg/m ³ VLEP/GW(B) 10 mg/m ³ VME(FR) 10 mg/m ³ - total dust VME(FR) 5 mg/m ³ - alveolar dust DNEL(FR)-professional inhalation [mg/m ³] : (alveolar) 3 TWA(UK) 10 mg/m ³
CAS: 1305-62-0 (HL) EINECS: 215-137-3 CAS: 85117-09-5 (NHL) EINECS: 285-561-1	Chalk according to EN 459-1	MAC (NL) 5 mg/m ³ GW(B) 5 mg/m ³ VME(FR) 5 mg/m ³ TWA(UK) 5 mg/m ³
CAS: 14808-60-7 EINECS: 238-878-4	Quartz sands/aggregates according to EN 13139 and/or EN 12620	MAC (NL) 0,075 mg/m ³ GW(B) 0,075 mg/m ³ VME(FR) 0,075 mg/m ³ TWA(UK) 0,075 mg/m ³ These limits apply only to respirable dust.
CAS: 471-34-1 EINECS: 207-439-9	Limestone filler	MAC (NL) 10 mg/m ³ GW(B) 10 mg/m ³ VME(FR) 10 mg/m ³ TWA(UK) 10 mg/m ³

8.2 Exposure controls

General safety & hygiene measures:

The usual precautions for the chemical handling must be followed. Remove contaminated clothing immediately. Wash hands before breaks & after handling the product. Avoid eye contact.

Technical measures: Ensure that ventilation is appropriate or that there is an exhaust system at the workplace

Individual protective equipment measures: Safety Pictogram



Eyes/face protection: Before any handling of powders or dust emission, it is necessary to wear safety glasses or a hermetic protective mask according to EN 166.

Hands protection: Wear suitable protection gloves, alkali-resistant and chemical agents resistant according to EN 374. The selection of gloves should be made according to the application & the duration of use at the workplace.

Other Skin and Body protection: Avoid skin contact. After contact with the product, all contaminated body parts should be washed. Wear suitable protection clothing.

Respiratory protection: In case of good ventilation, a respiratory protection is not necessary. In case of brief or low exposure to dust, use a P2 respiratory protection mask. Wearing a respiratory protection device is recommended in case of prolonged or repetitive exposure. The type of respiratory protection must be adapted to the level of dust concentration encountered and in accordance with applicable European norms (e.g. EN 149) or national standards.

SECTION 9 Physical and chemical properties

Appearance: Powder
Colour: Varies according to the product description.
Odour: Undetermined.

Odour threshold value: Undetermined.
pH value: PH>12

Melting Point: Not applicable.
Boiling Point: Not applicable.
Flash point: Not applicable.

Inflammability (solid, gas): The product is not flammable.

Disaggregation temperature: Not applicable.
Self-ignition: The product is not self-ignitable.

Explosion hazard: The product does not present an explosion risk.
Explosive limits: Not applicable.

Vapour pressure by 20°C: Not applicable.
Bulk Density: 1.4 - 2 gr/cm³

Relative Density: Not determined.
Vapour Density: Not applicable.
Evaporation rate: Not applicable.

Solubility in / mix-ability with water: Insoluble in water.

Partition coefficient (n-octanol/water): Not applicable.

Viscosity: Dynamic to 20 °C: Not applicable.
Kinematic: Not applicable
Oxidising properties: Not applicable

Oxidising properties: Not applicable.

9.2 Other information

There is no major information available.

SECTION 10 Stability and reactivity

- 10.1 Reactivity** There are no dangerous reactions under normal conditions of use.
- 10.2 Chemical stability** There are no dangerous reactions under normal conditions of use.
- 10.3 Thermic decomposition /conditions to avoid** There are no dangerous reactions under normal conditions of use.
- 10.4 Possibility of hazardous reactions** Reactions with acids. Reactions with common metals in presence of moisture (water) to form hydrogen.
- 10.5 Conditions to avoid** Minimise exposure to air and moisture to avoid loss of product quality.
- 10.6 Incompatible materials** After contact with water, the product hardens.
- 10.7 Hazardous decomposition products** There is no dangerous decomposition product known.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

- Acute toxicity:** Primary irritant effect
Cement CAS 65997-15-1 by dermal route: LD50 = 2000 mg/KG Species: Rabbit
- Skin Contact:** Skin irritation possible.
- Inhalation:** The product may cause an irritation of the respiratory tract.
- Eye Contact:** Strong irritant effect with risk of serious eye damage.
- Ingestion:** Ingestion may cause severe irritation if the mouth, esophagus, gastrointestinal tract and vomiting.

Delayed Effects

- Sensibility:** Not sensitizing.
- Mixtures:** This mixture has not been tested. Consult section 11.1.1.

11.1.2

SECTION 12 Ecological information

- 12.1 Toxicity** Aquatic toxicity: however, adding large quantities of cement to the water can cause a rise in pH, and can therefore be toxic to aquatic life under certain conditions.
- 12.2 Persistence and degradability** There is no major information available. The hard product is permanently fixed and insoluble.
- 12.3 Bioaccumulative potential** There is no major information available.
- 12.4 Mobility in soil** There is no major information available.
- 12.5 Results of PBT & vPvB assessment** **PBT:** Not applicable. **vPvB:** Not applicable
- 12.6 Other adverse effects** There is no major information available.

SECTION 13 Disposal considerations

- Waste treatment methods** After setting, the product can be disposed as other construction residues.
Dispose of uncleaned packaging according to local applicable regulations or government regulations.
Empty the packaging completely.

- Unused waste residue / prod** Dispose of uncleaned packaging according to local applicable regulations or government regulations. Do not pour into drains or waterways.

SECTION 14 Transport information

- 14.1 UN number (ADR, ADN, IMDG, IATA)** Not relevant
- 14.2 UN proper shipping name (ADR, ADN, IMDG, IATA)** Not relevant
- 14.3 Transport hazard class(es) (ADR, ADN, IMDG, IATA)** Not relevant
- 14.4 Packaging group (ADR, ADN, IMDG, IATA)** Not relevant
- 14.5 Environmental hazards** Not applicable
- 14.6 Special precautions for user** Not applicable
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** Not applicable. Non dangerous according to the regulation mentioned above.

SECTION 15 Regulatory information

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

- Specific Dispositions:** France: Sheet of professional diseases (n°8: diseases due to cement). Ensure that national or local regulations are respected.

- Others:** No data available.

15.2 Chemical safety assessment No data available.

SECTION 16 Other information

As the users working conditions are not known to us, the information given in this material safety data sheet is based on the state of our knowledge and on both National and Community regulations. The product must not be used for other purposes than those specified in section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary measures to meet the requirements of local laws and regulations. The information mentioned in this sheet should be considered as a description of the safety requirements for our product and not as a guarantee of property of it.

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