

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.01.2017

Version number 2

Revision: 02.01.2017

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

1.1 Product identifier

Trade name weber.vetonit ML 5 Masonry Mortar M100/600

Safety data sheet no.: 358P0701

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

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Rakennustuotteet Oy / Weber

PL 70

(Strömberginkuja 2)

FIN-00381 Helsinki

Tel. +358-(0)10-44 22 00

Fax +358-(0)10-44 22 295

email: info@e-weber.fi

www.e-weber.fi

1.4 Emergency telephone number: Tel. +358-(0)10-44 22 00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

cement portland, grey

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P261 Avoid breathing dust.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

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2.3 Other hazards

Product has a strong alkaline reaction with water; therefore protect skin and eyes from corrosive properties.

Results of PBT and vPvB assessment

PBT and vPvB criteria are not applicable to inorganic substances.

PBT: Does not contain PBT substances.



vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description:

Dangerous components:

CAS: 65997-15-1	cement portland, grey	10 - 20%
EINECS: 266-043-4	 Eye Dam. 1, H318;  Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	

SVHC Void

Additional information

Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30 °C).

After swallowing Rinse out mouth with water. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Risk of damage to the eye in contact with dry and wet product.

May irritate moist skin in prolonged contact.

Repeated inhalation of dust over a long period of time increases the risk of lung diseases.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

The product is not combustible.

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5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters**Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

6.2 Environmental precautions: No special measures required.**6.3 Methods and material for containment and cleaning up:**

The dry powder and the fresh product is removed with water. The hardened product is removed mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Prevent formation of dust.

Provide suction extractors if dust is formed.

Information about fire - and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** Store in dry conditions.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Finland: portland cement

inhalable dust OEL(8h) = 5 mg/m³respirable dust OEL(8h) = 1 mg/m³**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

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Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves.

The hands must be cleaned from the powder before putting on the gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection: Safety glasses.**Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Powder
Colour:	According to product specification
Odour:	Specific type
Odour threshold:	Not determined.

pH-value:	12-13 In water
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Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

Flash point:	Not applicable
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Flammability (solid, gaseous):	Product is not flammable.
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Ignition temperature:	Not determined.
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Decomposition temperature:	Not determined.
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Danger of explosion:	Product does not present an explosion hazard.
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Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Oxidising properties	Not determined.
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Vapour pressure:	Not applicable.
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Density:	1,4-1,6 g/cm ³ (11,683-13,35 lbs/gal)
Vapour density	Not applicable.
Evaporation rate	Not applicable.

Solubility in / Miscibility with Water:

Miscible

Segregation coefficient (n-octanol/water) log

Pow:	Not determined.
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Viscosity: dynamic:

Not determined.

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kinematic:	Not determined.
Solvent content:	
Organic solvents:	0,0 %
EU-VOC	0,00 %
Solids content:	100,0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** In contact with water hardens into a stable mass.
- 10.2 Chemical stability** Stable at recommended storage conditions.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known
- 10.4 Conditions to avoid** Humidity (in storage).
- 10.5 Incompatible materials:** Acids, ammonium salts, aluminium powder.
- 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects**
- Acute toxicity** Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:**

Components	Type	Value	Species
65997-15-1 cement portland, grey			
Dermal	LD50	> 2000 mg/kg	(Rabbit)

- Primary irritant effect:**
- Skin corrosion/irritation**
Causes skin irritation.
May irritate skin and mucous membranes. Creates an alkaline solution with water.
- Serious eye damage/irritation**
Causes serious eye damage.
- Respiratory or skin sensitisation**
Cr(VI) in portland cement has been chemically reduced into non-sensitizing form. The Cr(VI) passivation will be effective through the recommended storage period given on the package.
- Repeated dose toxicity** No harmful effects due to repeated exposure known.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- Carcinogenicity** Based on available data, the classification criteria are not met.
- Reproductive toxicity** Based on available data, the classification criteria are not met.
- STOT-single exposure** Based on available data, the classification criteria are not met.
- STOT-repeated exposure** Based on available data, the classification criteria are not met.
- Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity**
- Aquatic toxicity:** Not classified as harmful to aquatic organisms.
- 12.2 Persistence and degradability** Inorganic material.

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12.3 Bioaccumulative potential Does not accumulate in organisms

Behaviour in environmental systems:

12.4 Mobility in soil Hardens in contact with water and thus does not travel in soil.

Ecotoxicological effects:

Remark:

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

The PBT and vPvB criteria are not applicable to inorganic substances.

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.

European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

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 and the IBC Code

Not applicable.

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Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Portland cement clinker is exempt from REACH registration (Article 2.7b and Annex V, section 10).
REACH Annex XVII Restrictions: 47. Chromium VI compounds

1. Cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002 %) soluble chromium VI of the total dry weight of the cement.

2. If reducing agents are used, then without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of cement or cement-containing mixtures is visibly, legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Department issuing SDS:

Saint-Gobain Rakennustuotteet Oy / Weber
QEHS
P.O.Box 70 (Strömberginkuja 2)
FI-00381 Helsinki

Contact:

Tel. +358-(0)10-44 22 00
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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

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ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Sources

Chemical legislation.

Cembureau guidelines for common cements.

*** Data compared to the previous version altered.**

Updated according to regulation 453/2010/EU.

EU