

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2017

Version number 2

Revision: 13.01.2017

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

1.1 Product identifier

Trade name weber.vetonit ESL C33/40-4

Safety data sheet no.: 358P0626

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

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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.

STOT SE 3 H335 May cause respiratory irritation.

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 GHS07

Signal word Danger

Hazard-determining components of labelling:

cement portland, grey

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 2

Revision: 13.01.2017

Trade name weber.vetonit ESL C33/40-4

(Contd. of page 1)

P313 Get medical advice/attention.

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: Ready-mixed mortar with Portland cement

Dangerous components:

CAS: 65997-15-1	cement portland, grey	25 - 50%
EINECS: 266-043-4	☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT-SE 3, H335	

SVHC Void

Additional information

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

The preparation is "low chromate" according to 2006/1907/EEC within the product shelf-life, so that the identification with H317 / EUH203 is not applicable, when the packing was not opened in the meantime.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

After skin contact Immediately wash with water and soap and rinse thoroughly.

After eye contact

Rinse opened eye, also under the eyelids, for at least 15 minutes under running water. Then consult doctor. 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.

Irritating to skin and respiratory system.

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

Use fire extinguishing methods suitable to surrounding conditions.

The product is not combustible.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2017

Version number 2

Revision: 13.01.2017

Trade name weber.vetonit ESL C33/40-4

(Contd. of page 2)

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: Do not allow product to reach sewage system or any water course.**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.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2017

Version number 2

Revision: 13.01.2017

Trade name weber.vetonit ESL C33/40-4

(Contd. of page 3)

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.

Suitable respiratory protective device recommended when there is product dust in the air.

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

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

Flash point:	Not applicable
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Flammability (solid, gas):	Product is not flammable.
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Ignition temperature:	Not determined.
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Decomposition temperature:	Not determined.
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Explosive properties:	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:	1,5-1,7 g/cm ³ (12,518-14,18 lbs/gal)
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Vapour density	Not applicable.
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Evaporation rate	Not applicable.
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Solubility in / Miscibility with

Water:	Miscible
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Segregation coefficient (n-octanol/water) log

Pow:	Not determined.
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(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2017

Version number 2

Revision: 13.01.2017

Trade name weber.vetonit ESL C33/40-4

(Contd. of page 4)

Viscosity:

dynamic: Not determined.
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.

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.

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.

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

May cause respiratory irritation.

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.

EU

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

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Version number 2

Revision: 13.01.2017

Trade name weber.vetonit ESL C33/40-4

(Contd. of page 5)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not classified as harmful to aquatic organisms.

12.2 Persistence and degradability

Not biodegradable.

Inorganic material.

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.

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

Product hardens after adding water after 5 to 6 hours and can then be disposed of as building rubbish.

Possible waste code 17 09 04.

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

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

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(Contd. of page 6)

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.
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.

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 Rakennustutteet Oy / Weber

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(Contd. on page 8)

Safety data sheet

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(Contd. of page 7)

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)

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.**