

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2017

Version number 2

Revision: 26.02.2015

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

1.1 Product identifier

Trade name weber.pral M

Safety data sheet no.: 44P45948

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

No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Weber

Dickens House

Enterprise Way

Flitwick

Bedford.

MK45 5BY

Tel: +44(0)1525 718877

Web: www.netweber.co.ukemail:sara.kelly@netweber.co.uk**1.4 Emergency telephone number:** +44(0) 8703 330070 Office hours only (08.30-17.00 UK time)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Results of in vitro- tests have shown that cement based mixtures with more than 1% of cement cause serious skin irritation and serious eye damage, therefore the classification of these mixtures regarding H315 and H318 is not based on the calculation of the ingredients or the pH in this case.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin 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

Signal word Danger**Hazard-determining components of labelling:**

cement, portland, white

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calcium dihydroxide
calcium diformate

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/protective clothing/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.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:

CAS: 65997-15-1 EINECS: 266-043-4	cement, portland, white ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	10 - 20%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45-xxxx	calcium dihydroxide ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	2 - 5%
CAS: 544-17-2 EINECS: 208-863-7 Reg.nr.: 01-2119486476-24-xxxx	calcium diformate ☠ Eye Dam. 1, H318	1 - 2%

SVHC Void

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

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

After skin contact

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

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After eye contact

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

After swallowing If symptoms persist consult a doctor.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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.

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 Not required.**6.2 Environmental precautions:** No special measures required.**6.3 Methods and material for containment and cleaning up:** Pick up 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: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

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8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:**

DNELs		
471-34-1 calcium carbonate		
Inhalative	Derived No Effect Level	4.26 mg/m ³ (worker local long therm value) 1.06 mg/m ³ (consumer local long therm value)
1305-62-0 calcium dihydroxide		
Inhalative	Derived No Effect Level	1 mg/m ³ (consumer local long therm value) 4 mg/m ³ (consumer local short therm value)
544-17-2 calcium diformate		
Oral	Derived No Effect Level	23.9 mg/kgxday (consumer systemic long therm value)
Dermal	Derived No Effect Level	4780 mg/kgxday (worker systemic long therm value) 4780 mg/kgxday (worker systemic short therm value) 2390 mg/kgxday (consumer systemic long therm value) 2390 mg/kgxday (consumer systemic short therm value)
	Derived No Effect Level	16.7 mg/cm ² (worker local short term value) 16.7 mg/cm ² (worker local long therm value) 8.3 mg/cm ² (consumer local long therm value) 8.3 mg/cm ² (consumer local short therm value)
Inhalative	Derived No Effect Level	337 mg/m ³ (worker systemic long therm value) 337 mg/m ³ (worker systemic short therm value) 83.2 mg/m ³ (consumer systemic long therm value) 83.2 mg/m ³ (consumer systemic short therm value)

PNECs

1305-62-0 calcium dihydroxide		
Predicted No Effect Concentration		0.49 mg/l (fresh water rating factor) 1.08 mg/l (soil/groundwater)
544-17-2 calcium diformate		
Predicted No Effect Concentration		1.5 mg/kgxdwt (earth rating factor) 13.4 mg/kgxdwt (sediment distribution balance) 1.34 mg/kgxdwt (sea water distribution balance)
Predicted No Effect Concentration		2.21 mg/l (earth rating factor) 0.2 mg/l (sea water rating factor) 2 mg/l (fresh water rating factor)

CAS No.	Designation of material	%	Type	Value	Unit
65997-15-1 cement, portland, white					
WEL	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust				
1305-62-0 calcium dihydroxide					
WEL	Long-term value: 5 mg/m ³				

Additional Occupational Exposure Limit Values for possible hazards during processing:Quartz alveolar dust (< 5 µm) : 0,15 mg/m³

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Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Use a moisturising skin cream after processing the product.

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.

Material of gloves Nitrile impregnated cotton gloves complying with the standard EN 374-1.

Eye protection: Tightly sealed goggles

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:	White
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

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

Flash point: Not applicable

Flammability (solid, gas): Product is not flammable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Oxidising properties Not determined.

Vapour pressure: Not applicable.

Density: Not applicable.

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Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.

Solubility in / Miscibility with Water:	Insoluble
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Segregation coefficient (n-octanol/water) log Pow:	Not determined.
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Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.

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 No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with light alloys in the presence of moisture to form hydrogen

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

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, white			
Dermal	LD50	> 2000 mg/kg	(Rabbit)
471-34-1 calcium carbonate			
Oral	LD50	>2000 mg/kg	(Rat)
Dermal	LD50	>2000 mg/kg	(Rat)
1305-62-0 calcium dihydroxide			
Oral	LD50	7340 mg/kg	(Rat)
Dermal	LD50	> 2500 mg/kg	(Rabbit)
544-17-2 calcium diformate			
Oral	LD50	2650 mg/kg	(Rat)

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Primary irritant effect:**Skin corrosion/irritation****544-17-2 calcium diformate**

Dermal | OECD 404 Acute Dermal Irritation/Corrosion | 0 points (Rabbit Skin - Erytherma/crust)

Causes skin irritation.

Serious eye damage/irritation**544-17-2 calcium diformate**

Irritation of eyes	OECD 405 Acute Eye Irritation/Corrosion	1.5 points (rabbit edema of conjunctiva)
		1.7 points (rabbit iris lesion)
		1.9 points (rabbit redening of conjunctive)
		1.7 points (rabbit turbidity of Horny skin)

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**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:** No further relevant information available.**Type of test Effective concentration Method Assessment****471-34-1 calcium carbonate**

EC50/72h | 14 mg/l (Algae)

1305-62-0 calcium dihydroxide

LC50/96h | 158 mg/l (Daphnia magna)

> 50.6 mg/l (Fish)

EC50/48h | 49.1 mg/l (Daphnia magna)

EC50/72h | 184.57 mg/l (Algae)

544-17-2 calcium diformate

IC50/72h | > 1000 mg/l (Algae)

LC50/96h | < 1000 mg/l (Fish)

LC0/48h | 1000 mg/l (Leuciscus idus (Orfe))

LC0/96h | 1000 mg/l (Brachydanio rerio (zebra danio))

NOEC (21d) | > 1000 mg/l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**Behaviour in environmental systems:****12.4 Mobility in soil** No further relevant information available.

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Ecotoxicological effects:

Remark:

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

Behaviour in sewage processing plants:

Type of test	Effective concentration	Method	Assessment
544-17-2	calcium diformate		
EC 50 (3h)	> 10000 mg/l	(Activated sludge)	

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

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

European waste catalogue

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

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 Class ADN/R Class:	- (-) Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Danger code (Kemler): EMS Number:	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

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.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

Department issuing SDS: Quality Department

Contact: Dr S. Kelly; tel. + 44 (0) 1525 718877

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)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- 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
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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