

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2017

Version number 2

Revision: 20.03.2015

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

#### 1.1 Product identifier

Trade name weber.cem pyrabed T90

Safety data sheet no.: 44P46051

#### 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.uk](http://www.netweber.co.uk)

email:[sara.kelly@netweber.co.uk](mailto: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 Sens. 1 H317 May cause an allergic skin reaction.

#### 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

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**Hazard statements**

H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.

**Precautionary statements**

P261 Avoid breathing dust.  
 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.  
 P363 Wash contaminated clothing before reuse.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**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	cement portland, grey	5 - 10%
EINECS: 266-043-4	 Eye Dam. 1, H318;  Skin Irrit. 2, H315;                  Skin Sens. 1, H317; STOT SE 3, H335	

**SVHC** Void

**Additional information**

The mixture is "low chromate" according to 2006/1907/EEC within the product shelf-life, so that the identification with R 43 (H317 + EUH203) is not applicable, when the packing was not opened in the meantime.

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** Generally the product does not irritate the skin.

**After eye contact**

Rinse opened eye for several minutes under running water. 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.

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**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**

CO<sub>2</sub>, 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** 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.

**8.1 Control parameters**

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

DNELs		
<b>10034-76-1 calcium sulfate hemihydrate</b>		
Oral	Derived No Effect Level	1.52 mg/kgxday (consumer long term value)
Inhalative	Derived No Effect Level	5.29 mg/m <sup>3</sup> (consumer long term value)

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		21.17 mg/m <sup>3</sup> (worker systemic long term value)
		5082 mg/m <sup>3</sup> (worker systemic short term value)

CAS No.	Designation of material	%	Type	Value	Unit
65997-15-1	cement portland, grey				
WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust				

### Additional Occupational Exposure Limit Values for possible hazards during processing:

Quartz alveolar dust (< 5 µm) : 0,15 mg/m<sup>3</sup>

### 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.

Wash hands before breaks and at the end of work.

#### 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.

**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:

<b>Form:</b>	Solid.
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not applicable.

#### Change in condition

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	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.

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**Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

**Oxidising properties** Not determined.

**Vapour pressure:** Not applicable.

**Density:** Not applicable.

**Relative density** Not determined.

**Vapour density** Not applicable.

**Evaporation rate** Not applicable.

**Solubility in / Miscibility with**

**Water:** Insoluble

**Segregation coefficient (n-octanol/water) log**

**Pow:** Not determined.

**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** No dangerous reactions known

**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
<b>65997-16-2 Calcium aluminat clinker</b>			
Oral	LD50	>2000 mg/kg	(Rat)
<b>1317-65-3 limestone</b>			
Oral	LD50	> 5000 mg/kg	(Rat)

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**65997-15-1 cement portland, grey**

Dermal LD50 > 2000 mg/kg (Rabbit)

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**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**

**1317-65-3 limestone**

LC50/96h >10000 mg/l (Oncorhynchus mykiss (Rainbow trout))

EC50/48h >1000 mg/l (Daphnia magna)

EC50/72h >200 mg/l (Algae)

**10034-76-1 calcium sulfate hemihydrate**

LC50/96h >79 mg/l (Fish)

EC50/48h >79 mg/l (Daphnia magna)

EC50/72h > 79 mg/l (Selenastrum capricornutum (Green algae))

**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.

**Ecotoxicological effects:**

**Behaviour in sewage processing plants:**

**Type of test Effective concentration Method Assessment**

**10034-76-1 calcium sulfate hemihydrate**

EC 50 (3h) >790 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.

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12.6 Other adverse effects No further relevant information available.

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**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

**IMDG**

Class Void

Label -

**14.4 Packing group**

ADR, IMDG, IATA Void

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**EMS Number:**

-

**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**

**Directive 2012/18/EU**

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

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**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.

**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)

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

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