

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.01.2020

Version number 2

Revision: 03.01.2020

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

#### 1.1 Product identifier

Trade name **weber.floor 4491 turbo**

Safety data sheet no.: 49PM20365

#### 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 GmbH

Schanzenstr. 84

D-40549 Düsseldorf

+49(0)211/91369-0

email: Produktsicherheit@sg-weber.de

**1.4 Emergency telephone number:** Telefon: +49(0)6131-19240

### 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, grey

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

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### 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.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
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.  
P362 Take off contaminated clothing.  
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:

Ready-mixed mortar with high alumina cement.

Ready-mixed mortar with Portland cement

#### Dangerous components:

|   |   |        |
|---|---|--------|
| CAS: 14808-60-7<br>EINECS: 238-878-4                                  | Siliciumdioxide (Quartz sand)<br>substance with a Community workplace exposure limit  | >50%   |
| CAS: 7778-18-9<br>EINECS: 231-900-3<br>Reg.nr.: 01-2119444918-26-xxxx | calcium sulphate, different hydrate levels CaSO <sub>4</sub> x n H <sub>2</sub> O<br>(n = 0; 1/2; 2)<br>substance with a Community workplace exposure limit   | 10-20% |
| CAS: 1317-65-3<br>EINECS: 215-279-6                                   | limestone<br>substance with a Community workplace exposure limit  | 2-5%   |
| CAS: 65997-15-1<br>EINECS: 266-043-4                                  | cement portland, grey<br>⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335<br>Specific concentration limits: Skin Irrit. 2; H315: C ≥ 1 %<br>Eye Dam. 1; H318: C ≥ 1 % | 2-5%   |

SVHC Void

#### Additional information

The mixture is "low chromate" according to the Regulation (EC) No 1272/2008 within the product shelf-life, so that the classification with H317 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** Immediately remove any clothing soiled by the product.

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

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**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. 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 and present this data sheet.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Information for doctor** None**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.

**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** Use methods suitable to surrounding conditions.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

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:** Pick up mechanically.

**6.4 Reference to other sections** 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:**

Store away from foodstuffs.

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Do not store together with acids.

**Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

**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   |  |  |  |  |
|---|--|--|--|--|
| CAS: 7778-18-9 calcium sulphate, different hydrate levels CaSO4 x n H2O (n = 0; 1/2; 2) |  |  |  |  |
| Oral  | Derived No Effect Level  | 1.52 mg/kgxday (consumer systemic long term value)<br>11.4 mg/kgxday (consumer systemic short term value)  |  |  |
| Inhalative  | Derived No Effect Level  | 5.29 mg/m³ (consumer long term value)<br>21.17 mg/m³ (worker systemic long term value)<br>5,082 mg/m³ (worker systemic short term value)<br>3,811 mg/m³ (consumer systemic short term value) |  |  |
| CAS No. Designation of material % Type Value Unit                                       |  |  |  |  |
| CAS: 14808-60-7 Siliciumdioxide (Quartz sand)   |  |  |  |  |
| BOELV (European Union)  | Long-term value: 0.1* mg/m³<br>*respirable fraction                          |  |  |  |
| MAK (Germany)   | alveolengängige Fraktion   |  |  |  |
| GV (Denmark)  | Long-term value: 0.3* 0.1** mg/m³<br>*total; **total, respirabel, K          |  |  |  |
| LEP (Spain)   | Long-term value: 0.05 mg/m³<br>*Fracción resp:n,d,y                          |  |  |  |
| TWA (Italy)   | Long-term value: 0.025 mg/m³<br>A2 (r)                                       |  |  |  |
| VLE (Portugal)  | Long-term value: 0.025 mg/m³<br>Resp.;A2; fibrose pulmonar; cancro do pulmão |  |  |  |
| OEL (Sweden)  | Long-term value: 0.1 mg/m³<br>C, M, respirabel fraktion                      |  |  |  |
| HTP (Finland)   | Long-term value: 0.05 mg/m³<br>alveolijae                                    |  |  |  |
| CAS: 7778-18-9 calcium sulphate, different hydrate levels CaSO4 x n H2O (n = 0; 1/2; 2) |  |  |  |  |
| AGW (Germany)   | Long-term value: 6 A mg/m³<br>DFG  |  |  |  |
| LEP (Spain)   | Long-term value: 10 mg/m³<br>e   |  |  |  |
| TWA (Italy)   | Long-term value: 10 mg/m³<br>(i)   |  |  |  |

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|  |  |
|--|--|
| VLE (Portugal)                               | Long-term value: 10 mg/m <sup>3</sup><br>Fração inalável; Sintomas nasais                    |
| <b>CAS: 1317-65-3 limestone</b>              |  |
| TWA (Italy)                                  | Long-term value: 10 mg/m <sup>3</sup><br>(e)   |
| <b>CAS: 65997-15-1 cement portland, grey</b> |  |
| AGW (Germany)                                | Long-term value: 5 E mg/m <sup>3</sup><br>DFG  |
| LEP (Spain)                                  | Long-term value: 4 mg/m <sup>3</sup><br>fracción respirable: e, d                            |
| TWA (Italy)                                  | Long-term value: 1 mg/m <sup>3</sup><br>(e, j), A4   |
| VLE (Portugal)                               | Long-term value: 1 mg/m <sup>3</sup><br>Fração resp.; A4, função pulm., sintomas resp., asma |
| HTP (Finland)                                | Long-term value: 5* 1** mg/m <sup>3</sup><br>*hengittyvä/inhalerbar, **alveolijae/respirabel |

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

Total inhalable dust: 10 mg/m<sup>3</sup>

Respirable dust (< 5 µm): 4 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.

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.

Do not eat or drink while working.

#### Respiratory protection:

Not necessary if room is well-ventilated.

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.

Short term filter device:

Filter P2.

#### Protection of hands:

Protective gloves.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

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

Recommended thickness of the material: ≥ 0.15 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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**Penetration time of glove material**

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**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>            | Powder                             |
| <b>Colour:</b>          | According to product specification |
| <b>Odour:</b>           | Characteristic                     |
| <b>Odour threshold:</b> | Not determined.                    |

|                           |                    |
|---------------------------|--------------------|
| <b>pH-value at 20 °C:</b> | 9.5-10<br>In water |
|---------------------------|--------------------|

**Change in condition**

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

|                     |                |
|---------------------|----------------|
| <b>Flash point:</b> | Not applicable |
|---------------------|----------------|

|                                   |                           |
|-----------------------------------|---------------------------|
| <b>Flammability (solid, gas):</b> | Product is not flammable. |
|-----------------------------------|---------------------------|

|                              |                 |
|------------------------------|-----------------|
| <b>Ignition temperature:</b> | Not determined. |
|------------------------------|-----------------|

|                                   |                 |
|-----------------------------------|-----------------|
| <b>Decomposition temperature:</b> | Not determined. |
|-----------------------------------|-----------------|

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Auto-ignition temperature:</b> | Product is not selfigniting. |
|-----------------------------------|------------------------------|

|                              |   |
|------------------------------|---|
| <b>Explosive properties:</b> | Product does not present an explosion hazard. |
|------------------------------|---|

|                             |                 |
|-----------------------------|-----------------|
| <b>Explosion limits:</b>    |                 |
| <b>Lower:</b>               | Not determined. |
| <b>Upper:</b>               | Not determined. |
| <b>Oxidising properties</b> | Not determined. |

|                         |                 |
|-------------------------|-----------------|
| <b>Vapour pressure:</b> | Not applicable. |
|-------------------------|-----------------|

|                 |                 |
|-----------------|-----------------|
| <b>Density:</b> | Not applicable. |
|-----------------|-----------------|

|                         |                 |
|-------------------------|-----------------|
| <b>Bulk density:</b>    | Not determined. |
| <b>Vapour density</b>   | Not applicable. |
| <b>Evaporation rate</b> | Not applicable. |

|   |         |
|---|---------|
| <b>Solubility in / Miscibility with</b> |         |
| <b>Water at 20 °C:</b>                  | 1.5 g/l |

|  |                 |
|--|-----------------|
| <b>Segregation coefficient (n-octanol/water) log</b> |                 |
| <b>Pow:</b>  | Not determined. |

|                   |                 |
|-------------------|-----------------|
| <b>Viscosity:</b> |                 |
| <b>dynamic:</b>   | Not applicable. |
| <b>kinematic:</b> | Not applicable. |

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|                              |          |
|------------------------------|----------|
| <b>Solvent content:</b>      |          |
| <b>Organic solvents:</b>     | 0.0 %    |
| <b>EU-VOC (%)</b>            | 0.00 %   |
| <b>EU-VOC (g/L)</b>          | -0.0 g/l |
| <b>Solids content:</b>       | 100.0 %  |
| <b>9.2 Other information</b> | None.    |

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

**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  |
|--|------|--------------|----------|
| <b>CAS: 7778-18-9 calcium sulphate, different hydrate levels CaSO<sub>4</sub> x n H<sub>2</sub>O (n = 0; 1/2; 2)</b> |      |              |          |
| Oral   | LD50 | >2,000 mg/kg | (Rat)    |
| <b>CAS: 65997-16-2 Cement, alumina, chemicals</b>  |      |              |          |
| Oral   | LD50 | >2,000 mg/kg | (Rat)    |
| <b>CAS: 65997-15-1 cement portland, grey</b>   |      |              |          |
| Dermal   | LD50 | >2,000 mg/kg | (Rabbit) |

**Primary irritant effect:**

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

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.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**Type of test Effective concentration Method Assessment**
**CAS: 7778-18-9 calcium sulphate, different hydrate levels  $\text{CaSO}_4 \times n \text{ H}_2\text{O}$  ( $n = 0; 1/2; 2$ )**

|          |  |
|----------|--|
| LC50/48h | >79 mg/l (Daphnia magna)                           |
| LC50/96h | >79 mg/l (Oryzias latipes (Japanese medaka))       |
| EC50/24h | >790 mg/l (Activated sludge)                       |
| EC50/72h | >79 mg/l (Selenastrum capricornutum (Green algae)) |

**12.2 Persistence and degradability** No further relevant information available.

**Other information:** The product is not easily biodegradable.

**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:**
**Remark:**

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

The product contains substances which causes severe clouding in water

**Remark:** The product causes a significant pH change. Neutralise before introduction.

**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

**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 |
| 10 13 14 | waste concrete and concrete sludge   |

**Uncleaned packaging:**
**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**Recommended cleaning agent:**

Water, if necessary together with cleansing agents.

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Thoroughly shake out sacks.

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### SECTION 14: Transport information

|  |  |
|--|--|
| <b>14.1 UN-Number</b><br>ADR, ADN, IMDG, IATA                                  | Void   |
| <b>14.2 UN proper shipping name</b><br>ADR, ADN, IMDG, IATA                    | Void   |
| <b>14.3 Transport hazard class(es)</b><br>ADR, ADN, IMDG, IATA<br>Class        | Void   |
| <b>14.4 Packing group</b><br>ADR, IMDG, IATA                                   | Void   |
| <b>14.5 Environmental hazards:</b>   | Not applicable.                                      |
| <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| <b>UN "Model Regulation":</b>  | 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.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 47

**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:** Product safety department.

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**Contact:** Produktsicherheit@sg-weber.de; tel. +49(0)2363/399-210**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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