

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.04.2009

Revision: 08.04.2009

**1 Identification of the substance/preparation and of the company/undertaking****Product details**Trade name weber.star 220

Safety data sheet no.: 49PM20044/9

Application of the substance / the preparation Construction chemicals

**Manufacturer/Supplier:**Saint-Gobain Weber GmbH  
Bürgermeister-Grünzweig-Straße 1  
D-67059 Ludwigshafen  
++49(0)1805/93 23 7-8  
email: werner.wissmann@saint-gobain.com**Information in case of emergency:** Product safety department. Tel.: ++49(0)2363/399-210**2 Hazards identification****Hazard description:**

Xi Irritant

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to eyes.

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

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**GHS label elements****Danger**

3.3/1 - Causes serious eye damage.

3.2/2 - Causes skin irritation.

**Warning**

3.8/3 - May cause respiratory irritation.

**Prevention:**

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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

Immediately call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

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Specific treatment (see label).  
 If skin irritation occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash before reuse.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

**Chemical characterization**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 65997-15-1	cement, portland, white	Xi; R 37/38-41 Danger: 3.3/1, 3.2/2 Warning: 3.8/3	10 - 20%
CAS: 1305-62-0 EINECS: 215-137-3	calcium dihydroxide	Xi; R 37/38-41 Danger: 3.3/1, 3.2/2 Warning: 3.8/3	10 - 20%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide		2 - 5%

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

### 4 First aid measures

**General information** Immediately remove any clothing soiled by the product.

**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. 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.

### 5 Fire fighting measures

**Suitable extinguishing agents**

Use fire extinguishing methods suitable to surrounding conditions.

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

### 6 Accidental release measures

**Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

Ensure adequate ventilation.

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**Measures for environmental protection:**

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

**Measures for cleaning/collecting:** Pick up mechanically.

**Additional information:** See Section 13 for disposal information.

## 7 Handling and storage

**Handling**

**Information for safe handling:**

Prevent formation of dust.

Provide suction extractors if dust is formed.

**Information about fire - and explosion protection:** No special measures required.

**Storage**

**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

**Information about storage in one common storage facility:** 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.

## 8 Exposure controls and personal protection

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

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

CAS No.	Designation of material	%	Type	Value	Unit
1305-62-0	calcium dihydroxide				
IOELV ()	5 mg/m <sup>3</sup>				

**Additional information:**

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

**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 and skin.

Use a moisturising skin cream after processing the product.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

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

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**Material of gloves**

Nitrile impregnated cotton gloves.

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 preparation 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.

**Penetration time of glove material**

The exact break through 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.

### 9 Physical and chemical properties:

**General Information**

<b>Form:</b>	Solid.
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

**Flash point:** Not applicable

**Flammability (solid, gaseous):** Product is not flammable.

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Vapour pressure:** Not applicable.

**Density:** Not applicable.

**Bulk density:** Not determined

**Solubility in / Miscibility with**
**Water at 20°C (68°F):** 1,5 g/l

**pH-value at 20°C (68°F):** > 12,0 (DIN 19261)  
In water

**Viscosity:**

<b>dynamic:</b>	Not applicable.
<b>kinematic:</b>	Not applicable.

**Solvent content:**

<b>Organic solvents:</b>	0,0 %
<b>Solids content:</b>	100,0 %

**Additional information:** None.

### 10 Stability and reactivity

**Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions:** Reacts with light alloys in the presence of moisture to form hydrogen

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**Dangerous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

**Acute toxicity:**  
**LD/LC50 values relevant for classification:**

Components	Type	Value	Species
<b>1305-62-0 calcium dihydroxide</b>			
Oral	LD50	7340 mg/kg	(rat)

**Primary irritant effect:**

**on the skin:** Skin irritation possible due to drying effect.

**on the eye:** Strong irritant with the danger of severe eye injury.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

**12 Ecological information:**

**Information about elimination (persistence and degradability):**

**Other information:** The product is difficultly biodegradable.

**Ecotoxicological effects:**

**Acquatic toxicity:**

Type of test	Effective concentration	Method	Assessment
<b>1305-62-0 calcium dihydroxide</b>			
LC50/96h	160 mg/l	(fish)	

**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.

**General notes:**

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

**13 Disposal considerations**

**Product:**

**Recommendation**

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

**European waste catalogue**

Possible waste code. The concrete waste code depends of 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

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**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.

Thoroughly shake out sacks.

**14 Transport information****Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

ADR/RID-GGVS/E Class: -

**Maritime transport IMDG/GGVSea:**

IMDG/GGVSea Class: -

**Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA Class: -

UN "Model Regulation": -

**Transport/Additional information:** Not dangerous according to the above specifications.**15 Regulatory information****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Observe the general safety regulations when handling chemicals.

**Code letter and hazard designation of product:**

Xi Irritant

**Hazard-determining components of labelling:**

cement, portland, white

**Risk phrases:**

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

**Safety phrases:**

2 Keep out of the reach of children.

22 Do not breathe dust.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

**Special labelling of certain preparations:**

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

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### 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 R-phrases**

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

**Department issuing MSDS:** Product safety department.**Contact:** Mr. Wissmann tel. ++49(0)2363/399-210**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)

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

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 Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EU