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

Printing date 17.02.2021 Version number 1 Revision: 17.02.2021

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

1.1 Product identifier
Trade name weber.star 260 AquaBalance

Safety data sheet no.: 49PM21302
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.
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:
calcium dihydroxide
cement, portland, white
Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.

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P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing 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: Mixture of substances listed below with non hazardous additions.

Dangerous components:		
CAS: 1317-65-3 EINECS: 215-279-6	limestone substance with a Community workplace exposure limit	50-75%
CAS: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand) substance with a Community workplace exposure limit	10-25%
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	10-20%
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%

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 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.
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
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.
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: 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

8.1 Control parameters
Additional information about design of technical facilities: No further data; see item 7.
Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 1305-62-0 calcium dihydroxide		
Inhalative	Derived No Effect Level	4 mg/m³ (worker local short term value) 1 mg/m³ (worker local long term value) 1 mg/m³ (consumer local long term value) 4 mg/m³ (consumer local short term value)

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PNECs	
CAS: 1305-62-0 calcium dihydroxide	
Predicted No Effect Concentration	9.32 mg/l (sea water rating factor) 0.49 mg/l (fresh water rating factor)

CAS No. Designation of material	%	Type	Value Unit
CAS: 1317-65-3 limestone			
TWA (Italy)	Long-term value: 10 mg/m³ (e)		
CAS: 14808-60-7 Silicon dioxide (Quartz sand)			
BOELV (European Union)	Long-term value: 0.1* mg/m³ *respirable fraction		
MAK (Germany)	alveolengängige Fraktion		
GV (Denmark)	Long-term value: 0.3* 0.1** mg/m³ *total;**total, respirabel, K		
LEP (Spain)	Long-term value: 0.05 mg/m³ *Fracción resp:n,d,y		
TWA (Italy)	Long-term value: 0.025 mg/m³ A2, (j)		
VLE (Portugal)	Long-term value: 0.025 mg/m³ Resp.;A2; fibrose pulmonar; cancro do pulmão		
OEL (Sweden)	Long-term value: 0.1 mg/m³ C, M, respirabel fraktion		
HTP (Finland)	Long-term value: 0.05 0.1* mg/m³ alveolijae;*sitovat raja-arvot, pöly		
CAS: 1305-62-0 calcium dihydroxide			
IOELV (European Union)	Short-term value: 4 mg/m³ Long-term value: 1 mg/m³ Respirable fraction		
AGW (Germany)	Long-term value: 1E mg/m³ 2(I);Y, EU, DFG		
GV (Denmark)	Long-term value: 5 1* mg/m³ E; *respirabel fraktion		
LEP (Spain)	Long-term value: 4 mg/m³, 1 ppm fracción resp., VLI, d		
TWA (Italy)	Long-term value: 5 mg/m³		
VL (Italy)	Short-term value: 4* mg/m³ Long-term value: 1* mg/m³ *frazione toracica		
VLE (Portugal)	Long-term value: 5 mg/m³ Irritação ocular, do TRS, cutânea		
OEL (Sweden)	Short-term value: 4 mg/m³ Long-term value: 1 mg/m³		
HTP (Finland)	Short-term value: 4 mg/m³ Long-term value: 1 mg/m³		
CAS: 65997-15-1 cement, portland, white			
AGW (Germany)	Long-term value: 5 E mg/m³ DFG		
LEP (Spain)	Long-term value: 4 mg/m³ fracción respirable: e, d		

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TWA (Italy)	Long-term value: 1 mg/m³ (e, j), A4
VLE (Portugal)	Long-term value: 1 mg/m³ Fração resp.;A4,função pulm.,sintomas resp.,asma
HTP (Finland)	Long-term value: 5* 1** mg/m³ *hengittyvä pöly, **alveolijae

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 and skin.
Keep away from foodstuffs, beverages and feed.
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
Material of gloves
Nitrile impregnated cotton gloves complying with the standard EN 374-1.
Recommended thickness of the material: $\geq$ 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.
Penetration time of glove material
Breakthrough time: > 480 min
Value for the permeation: Level $\leq$ 6
The exact breaktrough 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:

Form:	Powder
Colour:	According to product specification
Odour:	Characteristic

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Odour threshold:	Not determined.
pH-value at 20 °C:	> 12.0 (DIN 19261) In water
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.
Bulk density:	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water at 20 °C:	1.5 g/l
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 %
EU-VOC (g/L)	0.0 g/l
Solids content:	100.0 %
9.2 Other information	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.

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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
CAS: 1317-65-3 limestone			
Oral	LD50	>5,000 mg/kg (Rat)	
CAS: 1305-62-0 calcium dihydroxide			
Oral	LD50	>2,000 mg/kg (Rat)	
Dermal	LD50	>2,500 mg/kg (Rabbit)	
CAS: 65997-15-1 cement, portland, white			
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.
Additional toxicological information:
CMR effects (carcinogenity, 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.

*
SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

Type of test	Effective concentration	Method	Assessment
CAS: 1317-65-3 limestone			
LC50/96h	>10,000 mg/l (Oncorhynchus mykiss (Rainbow trout))		
EC50/48h	>1,000 mg/l (Daphnia magna)		
EC50/72h	>200 mg/l (Algae)		
CAS: 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)		
NOEC (14d)	32 mg/l (Daphnia magna)		

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.

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12.4 Mobility in soil No further relevant information available.

Ecotoxical 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

Behaviour in sewage processing plants:

Type of test Effective concentration Method Assessment	
CAS: 1305-62-0 calcium dihydroxide	
EC 50 (3h)	300.4 mg/l (Activated sludge)

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.
Thoroughly shake out sacks.

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

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14.4 Packing group **ADR, IMDG, IATA**	Void
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
The product contains white cement with a content of soluble chromium (VI) below 0.0002% (2 ppm), it doesn't need a reducing agent

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
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: Product safety department.
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)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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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.**

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.