

Printing date 18.09.2023 Version number 2 Revision: 18.09.2023

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

1.1 Product identifier

Trade name: weber pluscalc

Safety data sheet no.: 49PM21371

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

e-mail: Produktsicherheit@sg-weber.de

1.4 Emergency telephone number:

Emergency medical information in case of poisoning:

Poison Information Centre Mainz - Tel.: +49 (0) 6131 19240 (advice in German or English)

#### **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 calcium dihydroxide

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#### **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 carefully and follow all instructions.

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 Mixtures

**Description:** Ready-mixed mortar

Dangerous components:		
CAS: 1317-65-3 EINECS: 215-279-6	calcium carbonate substance with a Community workplace exposure limit	50-75%
CAS: 7778-18-9 EINECS: 231-900-3 Reg.nr.: 01-2119444918-26-xxxx	calcium sulphate, different hydrate levels CaSO4 x n H2O (n = 0; 1/2; 2) substance with a Community workplace exposure limit	10-35%
CAS: 65997-15-1 EINECS: 266-043-4	cement portland, grey  Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335, EUH203  Specific concentration limits: Skin Irrit. 2; H315: C ≥ 1 %  Eye Dam. 1; H318: C ≥ 1 %	2-5%
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	1-10%
CAS: 93763-70-3 EC number: 618-970-4	Perlite substance with a Community workplace exposure limit	1-2%

## **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.

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

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## **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.

#### Information for doctor None

#### 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

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:

Dispose of the material collected according to regulations.

**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.

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**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.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

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

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

**DNELs** 

Ingredients with limit values that require monitoring at the workplace:

Oral	Derived No Effect Le	vel 1.52 mg/kgxday (consumer systemic long term value)	
		11.4 mg/kgxday (consumer systemic short term value)	
Inhalative	Derived No Effect Le	vel   21.17 mg/m³ (worker systemic long term value)	
		5,082 mg/m³ (worker systemic short term value)	
		5.29 mg/m³ (consumer systemic long term value)	
		3,811 mg/m³ (consumer systemic short term value)	
CAS: 130	5-62-0 calcium dihyd	roxide	
Inhalative	Derived No Effect Le	vel 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)	
PNECs		1	
CAS: 130	5-62-0 calcium dihyd	roxide	
Predicted	No-Effect Concentrati	on 0.32 mg/l (sea water rating factor)	
		0.49 mg/l (fresh water rating factor)	
CAS N	lo. / Designation of n	naterial / % / Type / Value / Unit	
CAS: 131	7-65-3 calcium carbo	nate	
TWA (Italy) Long-term		m value: 10 mg/m³	
CAS: 777	8-18-9 calcium sulph	ate, different hydrate levels CaSO4 x n H2O (n = 0; 1/2; 2)	
MAK (Germany)  Long-term value: 1.5A* 4E** mg/m³  *alveolengäng.;**einatembar;vgl.Abschn.V f) und g)			
LEP (Spain) Long-term value: 10 mg/m³			
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T\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Large target value 40 may (m²	(Contd. of page		
TWA (Italy)	Long-term value: 10 mg/m³ (i)			
VLE (Portugal)	Long-term value: 10 mg/m³			
Fração inalável; Sintomas nasais				
CAS: 65997-15-1 cer	nent portland, grey			
AGW (Germany)	Long-term value: 5 E mg/m³ DFG			
LEP (Spain)	Long-term value: 4 mg/m³ fracción respirable: e, d			
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			
CAS: 1305-62-0 calc	ium dihydroxide			
IOELV (European Un	ion) 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)	Short-term value: 10 4* mg/m³ 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: 93763-70-3 Per				
LEP (Spain)	Long-term value: 10 mg/m³ e			
TWA (Italy)	Long-term value: (10) mg/m³ (A4 (e))			
VLE (Portugal)	Long-term value: 10 mg/m³ A4; Irritacao			

Additional information:

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

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#### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

## Individual protection measures, such as 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.

Do not eat or drink while working.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eves 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.

#### **Hand protection**

Protective gloves.

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

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 < 6

The exact breaktrough time has to be found out by the manufacturer of the protective gloves and has to

be observed.

**Eye/face 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** 

Colour:GreyOdour:OdourlessOdour threshold:Not determined.Melting point/freezing point:Undetermined.

Boiling point or initial boiling point and boiling

range Undetermined.

**Flammability** Product is not flammable.

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Lower and upper explosion limit

Lower:
Upper:
Not determined.
Plash point:
Not applicable
Auto-ignition temperature:
Not determined.
Decomposition temperature:
Not determined.
Not determined.
PH at 20 °C
> 12.0 (DIN 19261)

In water

Viscosity:

**Kinematic viscosity dynamic:**Not applicable.
Not applicable.

Solubility

Water at 20 °C: 1.5 g/l

Partition coefficient n-octanol/water (log value) Not determined. Vapour pressure:

Not applicable.

Density and/or relative density

Density:Not applicable.Bulk density:Not determinedVapour densityNot applicable.

**Particle characteristics** 

See section 3.

**9.2 Other information** None.

Appearance:

Form: Powder

Important information on protection of health

and environment, and on safety.

**Ignition temperature:** Product is not self-igniting.

**Explosive properties:** Product does not present an explosion hazard.

Minimum ignition energy

Solvent content:

 Organic solvents:
 0.0 %

 EU-VOC (%)
 0.0000 %

 EU-VOC (g/L)
 0.0000 g/l

Change in condition Softening point/range

Oxidising properties Not determined. Evaporation rate Not applicable.

Information with regard to physical hazard

classes

**Explosives** Void Flammable gases Void **Aerosols** Void Oxidising gases Void Gases under pressure Void Flammable liquids Void Flammable solids Void Self-reactive substances and mixtures Void **Pyrophoric liquids** Void **Pyrophoric solids** Void

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Self-heating substances and mixtures Substances and mixtures, which emit	Void	
flammable gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

## **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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Compo	nents	1	Type	1	Value	1	Species
CAS: 13	317-65	-3 calcium	carbonate				
Oral	LD50	>5,000 mg	/kg (Rat)				
CAS: 77	778-18	-9 calcium	sulphate, d	differ	ent hydr	ate	e levels CaSO4 x n H2O (n = 0; 1/2; 2)
Oral	LD50	>2,000 mg	/kg (Rat)				
CAS: 65	997-1	5-1 cement	portland,	grey			
Dermal	LD50	>2,000 mg	/kg (Rabbit)	)			
CAS: 13	CAS: 1305-62-0 calcium dihydroxide						
Oral	LD50	>2,000 mg	/kg (Rat)				
Dermal	LD50	>2,500 mg	/kg (Rabbit)	)			

#### 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.

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.

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Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

**Endocrine disrupting properties** 

None of the ingredients is listed.

## **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 calcium carbonate				
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: 7778-18-9 calcium sulphate, different hydrate levels CaSO4 x n H2O (n = 0; 1/2; 2)				
LC50/48h	79-1,970 mg/l (Daphnia magna)			
LC50/96h	79-2,980 mg/l (Fish)			
EC50/72h	>79 mg/l (Selenastrum capricornutum (Green algae))			
CAS: 1305-6	2-0 calcium dihydroxide			
LC50/48h	1,830 mg/l (Daphnia magna)			
LC50/96h	Sh 158 mg/l (Daphnia magna)			
	50.6-457 mg/l (Fish)			
EC50/48h	49.1 mg/l (Daphnia magna)			
EC50/72h	184.57 mg/l (Algae)			
NOEC (72h)	OEC (72h) 48 mg/l (Algae)			
NOEC (14d)	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.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

## 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.

#### Remark:

The product contains substances which causes severe clouding in water

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

CAS: 7778-18-9 calcium sulphate, different hydrate levels CaSO4 x n H2O (n = 0; 1/2; 2)

EC 50 (3h) >1,000 mg/l (Activated sludge)

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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.

## **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

40 40 44	1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and
10 10 11	wastes from content based composite materials office than those mentioned in 10 10 00 and
	· · · · · · · · · · · · · · · · · · ·
	10 13 10
	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 or ID 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	
14.4 Packing group ADR, IMDG, IATA	Void	
14.5 Environmental hazards:	Not applicable.	
14.6 Special precautions for user	Not applicable.	
14.7 Maritime transport in bulk accordi IMO instruments	ng to Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
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UN "Model Regulation":

Void

## **SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

#### Directive 2012/18/EU

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

#### **REGULATION (EC) No 1907/2006 ANNEX XVII**

The marketing and use of cement is subject to a restriction on the content of soluble Cr (VI) (REACH Annex XVII Entry no. 47 Chromium VI compounds)

Conditions of restriction: 47

# 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.

#### **REGULATION (EU) 2019/1148**

# Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

#### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

## Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

# Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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.

This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

#### Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

EUH203 Contains chromium (VI). May produce an allergic reaction.

#### Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation Serious eye damage/irritation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**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 relatif au transport international 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

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.