

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

Printing date 01.11.2023

Version number 9 (replaces version 8)

Revision: 01.11.2023

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

**1.1 Product identifier**

Trade name: **weber 415 Unirender Fine**

Safety data sheet no.: 358P0249

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Application of the substance / the mixture Construction chemicals

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Saint-Gobain Finland Oy / Weber

PL 70

(Strömberginkuja 2)

FIN-00381 Helsinki

Tel. +358-(0)10-44 22 00

Fax +358-(0)10-44 22 295

DL-productsafety.fi@saint-gobain.com

www.fi.weber

**1.4 Emergency telephone number:**

0800 147 111 (toll-free)

09 471 977 (standard rate)

Finnish Poison Information Centre

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

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:**

cement portland, grey

calcium dihydroxide

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

**Precautionary statements**

P102

Keep out of reach of children.

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P261 Avoid breathing dust.  
 P280 Wear protective gloves / 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.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

The product contains silica sand with less than 1% of fine fraction and therefore is not classified as hazardous; however, pay attention when handling and follow the indications relating to personal protective equipment.

Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.

### 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 with Portland cement

#### Dangerous components:

CAS: 1317-65-3 EINECS: 215-279-6	calcium carbonate substance with a Community workplace exposure limit	25-50%
CAS: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand) substance with a Community workplace exposure limit	25-50%
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 %	10-20%
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	≥3-<5%

**SVHC** Void

#### Additional information

The product contains silica sand composed of quartz (crystalline silica) with a fine fraction below 1%. The respirable fraction has an occupational exposure limit value (cf. section 8).

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

**After inhalation** Supply fresh air and to be sure call for a doctor.

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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

This powder (wet or dry) may cause irritation or potentially irreversible serious injury on contact with the eyes. Prolonged contact with moist skin (due to e.g. sweat or humidity) can cause skin irritation.

### 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

The product is not combustible.

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:** No special measures required.

## SECTION 6: Accidental release measures

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

Avoid formation of dust.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

### 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

The dry powder and the fresh product is removed with water. The hardened product is removed 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

Prevent formation of dust.

Provide suction extractors if dust is formed.

Avoid contact with skin and eyes.

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

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### 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:** Store in dry conditions.

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

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

##### DNELs

##### CAS: 1305-62-0 calcium dihydroxide

Inhalative	Derived No Effect Level	4 mg/m <sup>3</sup> (worker local short term value) 1 mg/m <sup>3</sup> (worker local long term value) 1 mg/m <sup>3</sup> (consumer local long term value) 4 mg/m <sup>3</sup> (consumer local short term value)
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##### PNECs

##### CAS: 1305-62-0 calcium dihydroxide

Predicted No-Effect Concentration	0.32 mg/l (sea water rating factor) 0.49 mg/l (fresh water rating factor)
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#### CAS No. / Designation of material / % / Type / Value / Unit

##### CAS: 1317-65-3 calcium carbonate

TWA (Italy)	Long-term value: 10 mg/m <sup>3</sup> (e)
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##### CAS: 14808-60-7 Silicon dioxide (Quartz sand)

BOELV (European Union)	Long-term value: 0.1* mg/m <sup>3</sup> *respirable fraction
MAK (Germany)	Long-term value: 0.05 mg/m <sup>3</sup> alveolengängige Fraktion
GV (Denmark)	Short-term value: 0.6* 0.2** mg/m <sup>3</sup> Long-term value: 0.3* 0.1** mg/m <sup>3</sup> *total; **total, respirabel: K
LEP (Spain)	Long-term value: 0.05 mg/m <sup>3</sup> *Fracción resp:n,d,y
TWA (Italy)	Long-term value: 0.025 mg/m <sup>3</sup> A2, (j)
VLE (Portugal)	Long-term value: 0.05 mg/m <sup>3</sup> Resp.:A2; fibrose pulmonar; cancro do pulmão
OEL (Sweden)	Long-term value: 0.1 mg/m <sup>3</sup> C, M, respirabel fraktion
HTP (Finland)	Long-term value: 0.05 0.1* mg/m <sup>3</sup> alveolijae;*sitovat raja-arvot, pöly

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

AGW (Germany)	Long-term value: 5 E mg/m <sup>3</sup> DFG
LEP (Spain)	Long-term value: 4 mg/m <sup>3</sup> fracción respirable: e, d
TWA (Italy)	Long-term value: 1 mg/m <sup>3</sup> (e, j), A4
VLE (Portugal)	Long-term value: 1 mg/m <sup>3</sup> Fração resp.;A4,função pulm.,sintomas resp.,asma
HTP (Finland)	Long-term value: 5* 1** mg/m <sup>3</sup> *hengittyvä pöly, **alveolijae

**CAS: 1305-62-0 calcium dihydroxide**

IOELV (European Union)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Respirable fraction
AGW (Germany)	Long-term value: 1E mg/m <sup>3</sup> 2(l);Y, EU, DFG
GV (Denmark)	Short-term value: 10 4* mg/m <sup>3</sup> Long-term value: 5 1* mg/m <sup>3</sup> E; *respirabel fraktion
LEP (Spain)	Long-term value: 4 mg/m <sup>3</sup> , 1 ppm fracción resp., VLI, d
TWA (Italy)	Long-term value: 5 mg/m <sup>3</sup>
VL (Italy)	Short-term value: 4* mg/m <sup>3</sup> Long-term value: 1* mg/m <sup>3</sup> *frazione toracica
VLE (Portugal)	Long-term value: 5 mg/m <sup>3</sup> Irritação ocular, do TRS, cutânea
OEL (Sweden)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
HTP (Finland)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>

### 8.2 Exposure controls

#### Appropriate engineering controls

Finland: cement

inhalable dust OEL(8h) = 5 mg/m<sup>3</sup>respirable dust OEL(8h) = 1 mg/m<sup>3</sup>

#### 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.

Immediately remove all soiled and contaminated clothing.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Use a moisturising skin cream after processing the product.

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**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.

**Hand protection**

Protective gloves.

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

The hands must be cleaned from the powder before putting on the gloves.

Check protective gloves prior to each use for their proper condition.

**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**

<b>Colour:</b>	Grey
<b>Odour:</b>	Specific type
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
<b>Flammability</b>	Product is not flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	12-13 In water

**Viscosity:**

<b>Kinematic viscosity</b>	Not determined.
<b>dynamic:</b>	Not determined.

**Solubility**

<b>Water:</b>	Insoluble
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density:</b>	1.3-1.5 g/cm <sup>3</sup>
<b>Vapour density</b>	Not applicable.

**Particle characteristics**

See section 3.

**9.2 Other information**

No further relevant information available.

**Appearance:**

**Form:** Powder

**Important information on protection of health and environment, and on safety.**

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

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**Minimum ignition energy**

**Solvent content:**

**Organic solvents:** 0.0 %

**EU-VOC (%)** 0,00 %

**EU-VOC (g/L)**

**Solids content:** 100.0 %

**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

**Self-heating substances and mixtures** Void

**Substances and mixtures, which emit 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** When mixed with water the product hardens forming a stable non-reactive mass.

**10.2 Chemical stability** Stable at recommended storage conditions

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid**

Avoid water ingress/moisture during storage (the product will react with moisture and harden).

**10.5 Incompatible materials:** Acids, ammonium salts, aluminum, non-precious metals.

**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.

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

Components	Type	Value	Species
<b>CAS: 1317-65-3 calcium carbonate</b>			
Oral	LD50	>5,000 mg/kg	(Rat)
<b>CAS: 65997-15-1 cement portland, grey</b>			
Dermal	LD50	>2,000 mg/kg	(Rabbit)
<b>CAS: 1305-62-0 calcium dihydroxide</b>			
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**

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.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

**12.1 Toxicity**

**Aquatic toxicity:** Not classified as harmful to aquatic life

Type of test / Effective concentration / Method / Assessment	
<b>CAS: 1317-65-3 calcium carbonate</b>	
LC50/96h	>10,000 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50/48h	>1,000 mg/l (Daphnia magna)
EC50/72h	>200 mg/l (Algae)
<b>CAS: 1305-62-0 calcium dihydroxide</b>	
LC50/48h	1,830 mg/l (Daphnia magna)
LC50/96h	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)	48 mg/l (Algae)
NOEC (14d)	32 mg/l (Daphnia magna)

**12.2 Persistence and degradability** The product is not biodegradable.

**12.3 Bioaccumulative potential** Does not accumulate in organisms

**12.4 Mobility in soil** No further relevant information available.

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### 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 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
<b>CAS: 1305-62-0 calcium dihydroxide</b>
EC 50 (3h) 300.4 mg/l (Activated sludge)
<b>Additional ecological information:</b>
<b>General notes:</b> 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	
17 01 01	concrete
16 03 03*	inorganic wastes containing hazardous substances
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
HP4	Irritant - skin irritation and eye damage

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

<b>14.1 UN number or ID number</b>	
<b>ADR, ADN, IMDG, IATA</b>	Void
<b>14.2 UN proper shipping name</b>	
<b>ADR, ADN, IMDG, IATA</b>	Void
<b>14.3 Transport hazard class(es)</b>	
<b>ADR, ADN, IMDG, IATA</b>	
<b>Class</b>	Void
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	Void

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<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</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

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)

Cement clinker is exempted from REACH registration (REACH Article 2(7)(b) and Annex V point 10)

Portland cement clinker is exempt from REACH registration (Article 2.7b and Annex V, section 10).

REACH Annex VII Restrictions: 47. Chromium VI compounds

1. Cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002 %) soluble chromium VI of the total dry weight of the cement.

2. If reducing agents are used, then without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of cement or cement-containing mixtures is visibly, legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1.

**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.

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**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 Sheet 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.

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

Specific target organ toxicity (single exposure)

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:**

Saint-Gobain Finland Oy / Weber

QEHS

P.O.Box 70 (Strömberginkuja 2)

FI-00381 Helsinki

**Contact:**

Tel. +358-(0)10-44 22 00

Fax +358-(0)10-44 22 520

**Version number of previous version: 8**

**Abbreviations and acronyms:**

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

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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  
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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