



Reno C411 Repair Flex

Supersedes date 28-Mar-2025

Revision date 28-Mar-2025

Revision Number 1

In accordance with the provisions of regulation on Classification and Labelling, Ministry of Environment and Urbanisation number 30105 dated 23 June 2017

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

1.1. Product identifier

Product Name Reno C411 Repair Flex

Pure substance/mixture Mixture

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

Recommended use Rapid concrete repair/construction

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Bostik Kimya San. ve Tic. A.Ş.
Mecidiyeköy Mah. Oğuz Sok. No 4
RönesansBiz Plaza Giriş Kat
34381 Şişli/ İstanbul
Türkiye

Tel: +90 212 942 98 00

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone

Türkiye Tel: +90 212 942 98 00 (Mon-Fri 08.00-18.00)
National Poison Information Centre (UZEM): 114
Emergency Medical Services: 112

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (T. C. 28848/2013)

Skin irritation	Category 2 - (H315)
Serious eye damage	Category 1 - (H318)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Target organ effects: Respiratory irritation.	
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)

2.2. Label elements

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Labeling according to T.C.28848/2013

Contains Quartz; Portland Cement; Calcium hydroxide; Potassium oxide



Signal word
Danger

Hazard statements

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements - EU (§28, 1272/2008)

P260 - Do not breathe dust, fume, gas, mist, vapors and spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves, eye protection and 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 or doctor
P362 + P364 - Take off contaminated clothing and wash it before reuse

2.3. Other hazards

General Hazards

No information available.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Quartz 14808-60-7	40 - <80	[4]	238-878-4	STOT RE 1 (H372)	-	-	-	-
Portland Cement 65997-15-1	20 - <25	[5]	266-043-4	STOT SE 3 (H335) Skin Irrit. 2 (H315)	-	-	-	-

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				Eye Dam. 1 (H318) Skin Sens. 1 (H317)				
Calcium hydroxide 1305-62-0	1 - <5	01-2119475151 -45-XXXX	215-137-3	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335)	-	-	-	-
Aluminum oxide (Al ₂ O ₃) 1344-28-1	1 - <5	01-2119529248 -35-XXXX	215-691-6	No data available	-	-	-	-
Potassium oxide 12136-45-7	1 - <2.5	No data available	235-227-6	Skin Corr. 1A (H314)	-	-	-	-
Unknown - QS 3 UNKNOWN	0.1 - <1	No data available	-	^	-	-	-	-
Sodium monoxide 12401-86-4	0.1 - <0.5	No data available	235-641-7	No data available	-	-	-	-
Gypsum (Ca(SO ₄).2H ₂ O) 13397-24-5	0.1 - <0.5	No data available	-	No data available	-	-	-	-
Calcium sulfate 7778-18-9	0.1 - <0.5	01-2119444918 -26-XXXX	231-900-3	No data available	-	-	-	-
Pozzolans, coal-ash 71243-67-9	0.1 - <0.3	No data available	-	^	-	-	-	-
Limestone 1317-65-3	0.1 - <0.3	[5]	215-279-6	[C]	-	-	-	-
Vinyl acetate , vinyl versatate, acrylic terpolymer UNKNOWN	0.1 - <0.3	No data available	-	^	-	-	-	-
Copolymer of vinyl acetate and ethylene with mineral additives and protective colloid UNKNOWN	0.1 - <0.3	No data available	-	^	-	-	-	-
Calcium distearate 1592-23-0	0.1 - <0.3	No data available	216-472-8	^	-	-	-	-
FIBER PP M6-POLYMONO 06 UNKNOWN	0.05 - <0.1	No data available	-	^	-	-	-	-
Cellulose, 2-hydroxyethyl methyl ether 9032-42-2	0.05 - <0.1	[7]	-	No data available	-	-	-	-
Blend of cellulose derivatives and organic and inorganic additives UNKNOWN	0.01 < 0.036	No data available	-	^	-	-	-	-
Starch, 2-hydroxypropyl ether 9049-76-7	0.0025 - <0.01	[5]	-	No data available	-	-	-	-
Non-hazardous Remainder UNKNOWN	0.0015 - < 0.0025	No data available	-	^	-	-	-	-

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Carbonic acid, calcium salt (1:1) 471-34-1	<0.0015	01-2119486795 -18-XXXX	207-439-9	[C]	-	-	-	-
Anionic Copolymer	<0.0015	No data available	Not Listed	^	-	-	-	-
Sodium chloride 7647-14-5	<0.0015	01-2119485491 -33-xxxx	231-598-3	No data available	-	-	-	-
Tin Sulphate 7488-55-3	<0.0015	01-2119560591 -39-XXXX	231-302-2	STOT SE 3 (H335) STOT RE 2 (H373) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Chronic 2(H411) Acute Tox. 4 (H332)	-	-	-	-

NOTE [4] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex IV of REACH

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Quartz	238-878-4	14808-60-7	-	-	-	-	-
Portland Cement	266-043-4	65997-15-1	-	-	-	-	-
Calcium hydroxide	215-137-3	1305-62-0	-	-	-	-	-
Aluminum oxide (Al ₂ O ₃)	215-691-6	1344-28-1	-	-	-	-	-
Potassium oxide	235-227-6	12136-45-7	-	-	-	-	-
Sodium monoxide	235-641-7	12401-86-4	-	-	-	-	-
Calcium sulfate	231-900-3	7778-18-9	-	-	3.2633	-	-
Limestone	215-279-6	1317-65-3	-	-	-	-	-
Calcium distearate	216-472-8	1592-23-0	-	-	-	-	-
Carbonic acid, calcium salt (1:1)	207-439-9	471-34-1	-	-	3.003	-	-
Sodium chloride	231-598-3	7647-14-5	-	-	-	-	-
Tin Sulphate	231-302-2	7488-55-3	-	-	2	-	-

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

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General advice	If medical advice is needed, have product container or label at hand. Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.
Eye contact	Do not rub affected area. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.
Skin contact	Brush off loose particles from skin. Remove material from skin immediately. Take off contaminated clothing and wash it before reuse.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Burning sensation. Itching. Rashes. Hives. Causes serious eye damage. Irritating to skin. Inhalation of dust in high concentration may cause irritation of respiratory system. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers.

Effects of Exposure Causes damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products Silicon dioxide.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Methods for containment Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Prevent dust cloud.

Methods for cleaning up Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Avoid generation of dust. Use personal protection equipment. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

7.3. Specific end use(s)

Specific use(s)
Rapid concrete repair/construction.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure Limits

Chemical name	European Union	Türkiye
Quartz 14808-60-7	TWA: 0.1 mg/m ³ ;	
Calcium hydroxide 1305-62-0	TWA: 1 mg/m ³ ; respirable fraction STEL: 4 mg/m ³ ; respirable fraction	

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Portland Cement (65997-15-1)			
Calcium hydroxide (1305-62-0)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Short term Local health effects	Inhalation	4 mg/m ³	
worker Long term Local health effects	Inhalation	1 mg/m ³	

Derived No Effect Level (DNEL)			
Calcium hydroxide (1305-62-0)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Short term Local health effects	Inhalation	4 mg/m ³	
Consumer Long term Local health effects	Inhalation	1 mg/m ³	

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)	
Calcium hydroxide (1305-62-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.49 mg/l
Marine water	0.32 mg/l
Sewage treatment plant	3 mg/l
Soil	1080 mg/kg dry weight

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Gloves made of plastic or rubber. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection

Avoid contact with skin, eyes or clothing. Wear appropriate personal protective clothing

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Respiratory protection to prevent skin contact.
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Avoid generation of dust. Possible nuisance dust.

Recommended filter type: Wear a respirator conforming to EN 140 with Type P2/P3 filter or better.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid
Appearance Solid
Colour grey
Odour Cement.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	Not applicable
Initial boiling point and boiling range	No data available	Not applicable
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	Not applicable
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	> 11	None known.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	Not applicable
Dynamic viscosity	No data available	Not applicable
Water solubility	No data available. Cement based products react and solidify in contact with water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Density	1.6 g/cm ³	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%) No information available
Softening point Not applicable
VOC content No data available

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Product cures with moisture.

10.2. Chemical stability

Stability Keep away from Incompatible materials. Stable under recommended storage conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents. Acids. Aluminium.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact Specific test data for the substance or mixture is not available. May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness

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and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	>2000 mg/kg
ATEmix (dermal)	>2000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/l
ATEmix (inhalation-vapour)	>20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz	=6450 mg/kg (Rattus)	-	-
Portland Cement	LD50 >2000 mg/Kg (Rattus)	LD50 >2000 mg/Kg	-
Calcium hydroxide	=7340 mg/kg (Rattus)	LD50 > 2500 mg/kg bw (OECD 402, Oryctolagus cuniculus)	> 6.04604 mg/L (Rat) 4 h
Aluminum oxide (Al ₂ O ₃)	>5000 mg/kg (Rattus)	-	-
Potassium oxide	LD50 > 2000 mg/kg (RAT) OECD 425	LD50 > 5000 mg/kg (RAT) OECD 402	-
Calcium sulfate	>3000 mg/kg (Rattus)	-	CL50 >2.61 mg/L (4h) Rat
Limestone	>5000 mg/kg (Rattus)	-	-
Calcium distearate	>10 g/kg (Rattus)	> 2000 mg/kg (Rat)	-
Cellulose, 2-hydroxyethyl methyl ether	LD50 >10000 mg/Kg (Rattus)	-	-
Starch, 2-hydroxypropyl ether	LD50 >2000 mg/Kg (Rattus)	-	-
Carbonic acid, calcium salt (1:1)	LD50 > 2000 mg/kg (Rattus) OECD 420	LD50 >2000 mg/kg (Rattus) OECD 402	LC50 (4h) >3mg/ml (Rattus)
Sodium chloride	=3 g/kg (Rattus)	> 10 g/kg (Oryctolagus cuniculus)	>42 g/m ³ (Rattus) 1 h
Tin Sulphate	=2207 mg/kg (Rattus)	-	LC50 (4h) dust/mist =2mg/L

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Classification based on data available for ingredients. Causes skin irritation.

Calcium hydroxide (1305-62-0)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			irritant

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye damage.

Calcium hydroxide (1305-62-0)

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Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	eye			Eye Damage

Respiratory or skin sensitisation May cause an allergic skin reaction.

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 Causes damage to organs through prolonged or repeated exposure.

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Calcium hydroxide 1305-62-0	EC50 = 184.57 g/ml (72Hr)	LC50: =160mg/L (96h, Gambusia affinis)	-	EC50 = 49.1 g/ml (48 hr)		
Calcium sulfate 7778-18-9	CL50 (72h) >100 mg/L Algae	LC50: =2980mg/L (96h, Lepomis macrochirus) LC50: >1970mg/L (96h,	-	CE50 (48h) >100 mg/L (Daphnia magna)		

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		Pimephales promelas)				
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondasmus subspicatus)	CL50 (96h)>10000mg/ L (Oncorhynchus mykiss)	-	CE50 (48h) >1000 mg/L Daphnia Magna		
Calcium distearate 1592-23-0	-	LC50 (96h) =513 mg/L (Danio rerio) (OECD 203)	-	-		
Cellulose, 2-hydroxyethyl methyl ether 9032-42-2	-	CL50 (96h) >500 mg/L (Danio rerio)	-	-		
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H >1000 mg/l	-	EC50 48H Daphnia >1000 mg/l		
Sodium chloride 7647-14-5	-	LC50: 6020 - 7070mg/L (96h, Pimephales promelas) LC50: 6420 - 6700mg/L (96h, Pimephales promelas) LC50: =12946mg/L (96h, Lepomis macrochirus) LC50: 5560 - 6080mg/L (96h, Lepomis macrochirus) LC50: 4747 - 7824mg/L (96h, Oncorhynchus mykiss) LC50: =7050mg/L	-	EC50: =1000mg/L (48h, Daphnia magna) EC50: 340.7 - 469.2mg/L (48h, Daphnia magna)		
Tin Sulphate 7488-55-3	EC50 (72h) =0.2 mg/L (Algae) Growth inhibition	-	-	-		

12.2. Persistence and degradability

Persistence and degradability No information available.

Calcium distearate (1592-23-0)			
Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	88	Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Chemical name	Partition coefficient
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Limestone	0.9
Calcium distearate	0.8
Cellulose, 2-hydroxyethyl methyl ether	-0.1

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
Calcium hydroxide	Not PBT/vPvB
Aluminum oxide (Al ₂ O ₃)	Not PBT/vPvB
Potassium oxide	Not PBT/vPvB
Calcium sulfate	Not PBT/vPvB
Calcium distearate	Not PBT/vPvB
Carbonic acid, calcium salt (1:1)	Not PBT/vPvB
Sodium chloride	Not PBT/vPvB
Tin Sulphate	Not PBT/vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

European Waste Catalogue 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
10 13 06 particulates and dust (except 10 13 12 and 10 13 13)
Cured product can be treated as construction waste. In the management of larger quantities consult with local authorities and local waste disposal company
10 13 14 waste concrete and concrete sludge

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number or ID number Not regulated

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14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	NP
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

National regulations

- Regulation on Classification, Labelling and Packaging of Substances and Mixtures Date 11 December 2013, No:28848 Ministry of Environment and Urbanization.
- Regulation of Health and Safety Precautions in Working with Chemical Substances Date 12 August 2013, No. 28733 Ministry of Labour and Social Security.
- Regulation of Use of Personal Protective Equipment in the Workplace Date 2 July 2013, No. 28695 Ministry of Labor and Social Security.
- Regulation of Occupational Health and Safety Law Date 30 June 2012, No. 6331 Ministry of Labor and Social Security.
- Regulation of Waste Management Date 2 April 2015, No. 29314 Ministry of Environment and Urbanization.
- Republic of Turkey Ministry of Environment, Urbanization and Climate Change, Regulation on Registration, Evaluation, Permit and Restriction of Chemicals, dated 23 June 2017, numbered 30105

European Union

Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

SVHC: Substances of Very High Concern for Authorisation:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT RE: Specific target organ toxicity - Repeated exposure
STOT SE: Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue
LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA: International Air Transport Association
ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG: International Maritime Dangerous Goods
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H372 - Causes damage to organs through prolonged or repeated exposure

Legend SECTION 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value SK* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

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Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Indication of changes

Revision note This SDS is prepared for the first time in accordance with T.R. Directives numbered 28848 and 30105.

Training Advice No information available

Further information This Safety Data Sheet was compiled in accordance with regulation 30105 dated 23 June 2017 "Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals (KKDİK)"

Disclaimer

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End of Safety Data Sheet