



## SAFETY DATA SHEET CONPLAST CRYSTALLINE

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

#### 1.1. Product identifier

**Product name** CONPLAST CRYSTALLINE

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

**Identified uses** Concrete and Mortar Admixture

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Fosroc Idea Yapi Kimyasallari San. Ve Tic. A.S.  
Aydivnevler mah. Sanayi cad. Demirtas Plaza No:13 Kat:3 34854  
Maltepe ISTANBUL  
TURKEY  
+90 216 463 6776  
enquiryturkey@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +90 262 728 15 05

**National emergency telephone number** 114

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335

**Environmental hazards** Not Classified

**Human health** See Section 11 for additional information on health hazards.

**Environmental** The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Danger

**Hazard statements** H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

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<b>Precautionary statements</b>	<p>P261 Avoid breathing dust.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	CEMENT , CALCIUM HYDROXIDE, CSA EXPANSIVE AGENT
<b>Supplementary precautionary statements</b>	<p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>CEMENT</b>	<b>60-100%</b>
CAS number: 65997-15-1	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	-
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
<b>CALCIUM HYDROXIDE</b>	<b>10-30%</b>
CAS number: 1305-62-0	REACH registration number: 01-2119475151-45-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
<b>SODIUM CARBONATE</b>	<b>10-30%</b>
CAS number: 497-19-8	EC number: 207-838-8
<b>Classification</b>	
Eye Irrit. 2 - H319	

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<b>CSA EXPANSIVE AGENT</b>	<b>5-10%</b>
CAS number: 1305-78-8	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	Keep affected person under observation. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Keep affected person under observation. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause irritation of mouth, throat and digestive tract.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Water used for fire extinguishing, which has been in contact with the product, may be corrosive.
<b>Hazardous combustion products</b>	No known hazardous decomposition products.

#### 5.3. Advice for firefighters

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**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials.

### SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely.

#### 6.4. Reference to other sections

**Reference to other sections** Collect and dispose of spillage as indicated in Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Avoid inhalation of dust and contact with skin and eyes.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from moisture.

**Storage class** Chemical storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **CEMENT**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup>

##### **CALCIUM HYDROXIDE**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 4 mg/m<sup>3</sup>

##### **CSA EXPANSIVE AGENT**

Long-term exposure limit (8-hour TWA): OES 10 mg/m<sup>3</sup> Inhal. Dust 4 mg/m<sup>3</sup> Resp. Dust

WEL = Workplace Exposure Limit

#### CALCIUM HYDROXIDE (CAS: 1305-62-0)

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### PNEC

Fresh water; 0,40 mg/l  
marine water; 0,32 mg/l  
STP; 3 mg/l  
Soil; 1080 mg/kg

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Ensure control measures are regularly inspected and maintained.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Polyvinyl chloride (PVC). Nitrile rubber.

#### Other skin and body protection

Avoid contact with skin. Wear apron or protective clothing in case of contact.

#### Hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

#### Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Particulate filter, type P2.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	Grey.
Odour	Odourless.
Odour threshold	Not determined.
pH	> 12
Melting point	~ 1250°C
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not determined.

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<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.3 @ 27°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	Not available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product. Does not decompose when used and stored as recommended.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Water-reactive materials.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	The product will harden into a solid mass in contact with water and moisture.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong acids.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	No known hazardous decomposition products.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>General information</b>	Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause irritation of mouth, throat and digestive tract.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.
<b>Route of exposure</b>	Inhalation Ingestion Skin and/or eye contact

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**Target organs** Eyes Skin Respiratory tract

### Toxicological information on ingredients.

#### CEMENT

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub>)** 2,000.0 mg/kg)

**Species** Rabbit

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### CALCIUM HYDROXIDE

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral, Rat

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2500 mg/kg, Dermal, Rabbit

### **SECTION 12: Ecological information**

**Ecotoxicity** The product components are not classified as environmentally hazardous.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### Ecological information on ingredients.

#### CALCIUM HYDROXIDE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 50,6 mg/l, Freshwater fish  
LC<sub>50</sub>, 96 hours: 457 mg/l, Marinewater fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 49,1 mg/l, Freshwater invertebrates  
LC<sub>50</sub>, 96 hours: 158 mg/l, Marinewater invertebrates

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 184,57 mg/l, Freshwater algae  
NOEC, 72 hours: 48 mg/l, Freshwater algae

##### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 14 days: 32 mg/l, Marinewater invertebrates

#### 12.2. Persistence and degradability

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

### Ecological information on ingredients.

#### CEMENT

**Persistence and degradability** Expected to be not readily biodegradable.

#### 12.3. Bioaccumulative potential

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**Partition coefficient** Not applicable.

### Ecological information on ingredients.

#### CEMENT

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product reacts with water to form a solid, insoluble reaction product which is not biodegradable.

### Ecological information on ingredients.

#### CEMENT

**Mobility** Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### CEMENT

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

### Ecological information on ingredients.

#### CEMENT

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)



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No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
<b>General information</b>	Only trained personnel should use this material.
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	31/10/2019
<b>Revision</b>	1
<b>SDS number</b>	28073
<b>Hazard statements in full</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

## CONPLAST CRYSTALLINE

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.