

# Safety data sheet

according to Regulation (EC) No 1272/2008 (REACH)

Cara Hydro Plus

Status 07.2020

edelundstein<sup>+</sup>

FOR YOUR WALLS AND FLOORS

version: 2.1

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

### 1.1 Product identifier

Designation Cara Hydro Plus

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

Description/Use Wall coating.

### 1.3. details of the supplier providing the safety data sheet

Company name edelundstein GmbH  
Address Einsteinstraße 12  
Location and country 33104 Paderborn  
GERMANY  
Phone +49 5254 9330731  
fax +49 5254 9330733

E-mail of the competent person, info@edel-und-stein.com  
who is responsible for the safety data sheet.

### 1.4 Emergency number

For urgent information please contact; Technical Information: Dr. Felix Ferlemann 0170 / 7362924

## SECTION 2 Potential hazards

### 3.1 Identification elements. Hazard designation:



Xi Charming



#### Signal words:

H318	Danger
H315	Causes severe eye damage.
H335	Causes skin irritation.
H317	May irritate the respiratory tract.
	May cause allergic skin reactions.

P101	If medical advice is required, have packaging or identification label ready.
P102	Keep out of the reach of children.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338	IF IN EYE CONTACT: Rinse gently with water for a few minutes. Remove existing contact lenses if possible. Continue rinsing.
P501	Supply contents / container in accordance with national legislation.

The classification corresponds to the current EC lists, but is supplemented by information from specialist literature and company details

## SECTION 3 Composition/information on ingredients

### 3.1 Chemical characterisation:

#### Description:

98% natural materials like: Marble flours from different mining areas, hydraulic lime, Roman lime, white cement, alumina, hydraulic binder as well as earth oxide pigments 2% with low organic content to improve the processing properties.

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## 3.2 Dangerous ingredients:

according to Regulation (EC) No Portland cement

Calcium Hydroxide	Content (W/W): $\geq 0,1\%$ - $< 30\%$ .	Skin Corr./Irrit. 2
	CAS number: 65997-15-1	Eye Dam./Irrit. 1
	EC number: 266-043-4	STOT SE 3 (incorrect for the respiratory syst H318, H315, H335)
	Content (W/W): $\geq 0,1\%$ - $< 5\%$ .	Skin Corr./Irrit. 2
	CAS number: 1305-62-0	Eye Dam./Irrit. 1
	EC number: 215-137-3	STOT SE 3 (incorrect for the respiratory syst H318, H315, H335)

For classifications not fully written down in this section, including the hazard designation, hazard symbols, R-phrases and risk phrases, the full text is given in section 16.

## SECTION 4 First aid measures

### 4.1 General information.

Remove the casualty from the danger area immediately. If the patient feels unwell, consult a doctor and present this data sheet.

After inhalation: Ensure an ample supply of fresh air and consult a doctor for safety reasons.

After skin contact: Wash off immediately with plenty of water, do not rub! Change clothes immediately. Rinse affected body parts thoroughly with water. Consult a doctor and present this data sheet.

After eye contact: Rinse opened eye for several minutes (15 min.) under running water and consult an eye specialist.

After swallowing: Drink plenty of water and fresh air. Call a doctor immediately. Do not vomit.

### 4.2 Notes for the doctor. None.

## SECTION 5 Fire Fighting Measures

### 5.1. extinguishing agents.

Adjust to environment. Avoid penetration of fire-fighting water into surface water or ground water. CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Unsuitable extinguishing media for safety reasons: Water in full jet.

Special protective equipment: Stay in the danger area only with self-contained breathing apparatus. Further information: No special measures required. Product itself does not burn. Extinguishing agents and fire-fighting measures must be adapted to the surrounding fire.

## SECTION 6 Accidental release measures

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

Wear protective equipment. Avoid contact with skin, eyes and clothing. Do not inhale dust. Keep away from unprotected persons. Avoid dust formation. Ensure sufficient fresh air in closed rooms. (see also point 3)

### 6.2 Environmental protection measures. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning/taking up: Take up mechanically. Dispose of in suitable containers. Clean up.

Additional notes: For information on disposal see chapter 13.

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## SECTION 7 Handling and storage

### 7.1. protective measures for safe handling.

Ensure good room ventilation, if necessary ensure sufficient extraction at the workplace when refilling. Avoid dust formation and dust deposits.

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

**7.3 Requirements for storage rooms and containers:** Store product in closed containers. According to the water hazard class (see WGK point 12), country-specific regulations for the storage of water-hazardous substances must be observed.

Information on storage together: Not required.

Further information on storage conditions: Keep container dry and tightly closed. Protect from moisture and impurities. Do not use light metal containers.

Recommended storage temperature: 5o C to 45o C

Storage class: LGK (according to VCI concept): 13 - non-combustible solids.

## SECTION 8 Exposure controls/personal protection

**8.1 Additional information on the design of technical installations.** No further details, see item 7.

### 8.2. components with general dust limit values to be monitored at the workplace.

CAS No 65997 15-1 Calcium silicate cement (25 - 50%)

Additional notes: The valid TRGS 900 was used as a basis for the preparation or revision of this safety data sheet.

### 8.3. personal protective equipment.

The design of personal protective equipment must be selected in accordance with the concentration and quantity of hazardous substances, and must be specific to the workplace. The chemical resistance of the protective agents should be clarified with their suppliers.

#### BATH PROTECTION

Dust mask P1, required if dust is present, filter P2.

#### EYE PROTECTION

Safety goggles required

#### HAND PROTECTION

Nitrile rubber gloves, layer thickness: 0.12 mm, breakthrough time: > 480 min. Supplier of CE-approved gloves is (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

#### BODY PROTECTION

Protective clothing

### 8.4. information on occupational hygiene.

Apply skin protection ointment before starting work (e.g. Silicoderm-F, Bayer Vital AG, 51368 Leverkusen). Keep away from food, beverages and animal feed. Change contaminated clothing immediately. Wash hands and face before breaks and at the end of work.

Use a moisturizing skin cream after processing the product.

## SECTION 9 Physical and chemical properties

### 9.1. information on basic physical and chemical characteristics.

form	solid
Colour	natural white

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Odour	Odourless
pH value (20oC)	11.6 - 13 (at 100g/l)
Melting temperature	550o C (decomposition)
Boiling temperature	2850o C (decomposition)
Ignition temperature	non-flammable
Flash point	non-flammable
Explosion limit lower	not applicable
Explosion limit upper	not applicable
Vapour pressure	not applicable
density (20o C)	g/cm3
Bulk density	approx. 1000 - 1200kg/m3
Solubility in water (20o C)	approx. 1.7g/l
Thermal decomposition	from 550o C
Viscosity dynamic	not applicable
Viscosity Kinematic	not applicable
Solvent separation test	not applicable

## 9.2 Other information.

Data not available.

## SECTION 10 Stability and reactivity

### 10.1 Thermal decomposition.

No decomposition when used as intended.

### 10.2 Conditions to be avoided.

moisture.

### 10.3 Materials to avoid.

The product may only be mixed with the substances and products intended for this purpose according to our technical data sheet. Deviations from this require our consent.

Exothermic reaction with: acids, hydrogen sulphide, light metals, phosphorus, organic nitro compounds.

Dangerous reactions: Forms an alkaline suspension with water.

Hazardous decomposition products: No hazardous decomposition products known.

### 10.4. Further details.

sensitive to moisture, exothermic dissolving process with water.

## SECTION 11 Toxicological information

### 11.1 Acute toxicity.

LD/LC50 values relevant for classification: Due to § 7 of the Animal Protection Act, no toxicological tests on living organisms were carried out for this product.

The data listed below are literature values of individual ingredients available to us, which do not claim to be complete.

LD<sub>50</sub> (oral, rat): 7340 mg/kg (IUCLID) (lit.).

### 11.2 Specific symptoms in animal experiments.

Test for eye irritation (rabbit): Severe irritation (RTECS) (Lit.).

Test for skin irritation (rabbit): No irritation (OECD 404) (Lit.).

Chicken egg membrane test for irritation (HET-CAM): Mucosal irritation (Lit.).

### 11.3 Primary irritant effect.

on the skin: Irritating to skin and mucous membranes.

on the eye: Strong irritant effect. Risk of serious corneal damage.

Sensitization: No sensitizing effect known.

Subacute to chronic toxicity: No suspected carcinogenic properties (Lit.).

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## 11.4 Further toxicological information.

After inhalation of dust: irritation of mucous membranes, coughing.

After skin contact: No irritation. In case of perspiration/moisture burns.

After eye contact: Severe irritation. Risk of serious damage to eyes. Risk of corneal opacity. Risk of blindness!

After swallowing: irritation of stomach and intestines.

## 11.5 Additional toxicological information.

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version Irritant.

## 11.6. further information.

Further dangerous properties cannot be excluded. The product should be handled with the usual care for calcium hydroxide and cement.

## SECTION 12 Environmental information

### 12.1. biodegradability.

Methods for determining biodegradability are not applicable to inorganic substances.

### 12.2. behaviour in environmental compartments.

Accumulation in organisms is not to be expected.

### 12.3 Biological effects.

Damaging effect due to pH - shift. Forms caustic mixtures with water despite dilution. The product contains substances that cause a local pH change and therefore have a damaging effect on fish and bacteria. Neutralization possible in sewage treatment plants.

### 12.4. fish toxicity.

Gambusia affinis LC50: 160 mg/L/96 h (IUCLID) (Lit.).

### 12.5. behaviour in sewage treatment plants.

The product causes a significant pH change. Neutralize before introduction.

### 12.6. other notes.

None.

### 12.7 General notes.

Water hazard class 1 (Self-assessment): Slightly hazardous to water, do not allow undiluted product or large quantities to reach ground water, water bodies or sewage system. Must not be allowed to enter waste water, receiving water or soil undiluted or unneutralized.

## SECTION 13. disposal instructions

### 13.1. product.

Product hardens after 1 to 12 h after the addition of water and can then be disposed of as construction waste. Dried-in residues can be disposed of with the household waste.

### 13.2. waste code number.

Waste code number according to European Waste Catalogue (EWC): 080110

Old colours cured

### 13.3. packaging.

Packaging of edelundstein GmbH products must be disposed of in accordance with country-specific regulations or left to take-back systems. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special instructions for the respective national conditions as well as contact persons.

Uncleaned packaging: Non-contaminated packaging can be recycled.

Recommended cleaning agent: Empty bucket thoroughly.

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## SECTION 14 Transport information

**During transport, all transport regulations applicable to the relevant mode of transport must be observed:** No marking required.

Land transport ARD/RID and GGVS/GGVE (cross-border/domestic):

ARD/RID-GGVS/E Class: -  
digit/letter:  
Kemler number:  
UN number: danger  
label: -  
Description of the goods: Not dangerous goods

Maritime transport IMDG/GGVSee:

IMDG/GGVSee class -  
Page:  
UN number: -  
Packaging group: -  
EMS number: -  
Marine pollutant: Product contains no relevant substances.  
Proper shipping name: Not restricted  
Remarks: None.

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA number:  
UN/ID number:  
Packing group: Packing Intr.  
Passenger: Packing Intr.  
Cargo: -  
Correct technical name: Not restricted  
Remarks: None.

## SECTION 15 Legislation

**15.1. safety, health and environmental protection regulations / specific legislation for the substance or mixture.**

Seveso category. None.

Restrictions on the product or substances according to Annex XVII Regulation (EC) 1907/2006.

Contained substances.

Period. 47 CEMENT  
PORTLAND white

Substances according to Candidate List (Article 59 REACH).

None

Substances subject to authorisation (Annex XIV REACH).

None

Substances subject to export notification (EC) Regulation 689/2008:

None.

Rotterdam Convention substances:

None

Stockholm Convention-bound substances:

None

Water hazard class:

WGK 1 (self-classification): slightly hazardous to water.

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## Health checks

Workers exposed to this chemical agent do not have to undergo sanitary supervision. This is only on condition that the results of the risk assessment demonstrate that there is only a moderate risk to the safety and health of workers and that the measures provided for by Directive 98/24/EC are sufficient to limit the risk.

## **15.2 Chemical Safety Assessment.**

No chemical evaluation of the mixture and substances contained in it.

## **SECTION 16 Other information**

The EC safety data sheet is intended to provide the essential physical, safety, toxicological and ecological data of this product and to give recommendations for safe handling, e.g. storage, handling and transport. It is intended to protect people and the environment by providing appropriate information.

This information is based on the current state of our knowledge and does not constitute a guarantee of product characteristics. Existing laws and regulations, including those not mentioned in this data sheet, are to be observed by the recipient of our products on his own responsibility. The user is not released from his own tests. The product is intended exclusively for commercial/industrial applications (see product label).

Department issuing data sheet: Laboratory

Contact person: Herr Dr. Ferlemann

Data changed from the previous version.