

Safety data sheet

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

edelPerformance Trezona
Status 08.2018

edelundstein⁺

FOR YOUR WALLS AND FLOORS

version 2

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

1.1 Product identifier

Description edelPerformance Trezona

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

Description/Use Wall and floor 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

2.1 Classification of the substance or mixture.

CLP Regulation (EC) No 1272/2008:

The classification of this product has been carried out according to the CLP Regulation (EC) No 1272/2008.

Eye damage. 1: Severe eye damage, category 1, H318 Skin irritation. 2: Skin irritation, category 2, H315

1: Sensitization, skin, category 1, H317

STOT SE 3: respiratory toxicity, single exposure, category 3, H335

Substances that contribute to the stuffing:

Cement, Portland, chemicals; calcium dihydroxide

2.1.1 Regulation 1272/2008 (CLP) and subsequent amendments and adaptations

Hazard classification and hazard information:

Eye Dam. 1	H318
Skin irritation. 2	H315
STOT SE 3	H335
Skin Sens. 1	H317

2.2 Identification elements.

Hazard labelling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adaptations.



Signal words:

H318
H315
H335
H317

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

P271
P280
P302+P352
P304+P340
P305+P351+P338

Use only in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
On skin contact: Wash with plenty of water
If inhaled: Move person to fresh air and bring into a position comfortable for breathing
On eye contact: Rinse carefully with water for several minutes. Remove contact lenses if present and if this can be done without damage. Continue rinsing

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P310 Immediately call a poison control centre or doctor
P403+P233 Store in a well ventilated place. Keep container tightly closed
P501 Dispose of contents and/or containers in accordance with the regulations on special waste or packaging or packaging waste

2.3 Other risks.
Data not available.

SECTION 3 Composition/information on ingredients

3.1. substances.

Identification	chemical	Name/Classification	concentration
CASE: 65997-15-1	Cement, Portland, chemicals	Self-classified	
EC: 266-043-4 Index: Not applicable REACH: Not applicable	Ordinance 1272/2008	Augendamm. 1: H318; skin irritation. 2: H315; Skin sens. 1: H317; STOT SE 3: H335 - Danger 	5 - <50 %
CASE: 1305-62-0	Calcium dihydroxide	Self-classified	
EC: 215-137-3 Index: Not applicable REACH: 01-2119475151-45-XXXX	Ordinance 1272/2008	Augendamm. 1: H318; skin irritation. 2: H315; STOT SE 3: H335 - Danger 	1 - <5 %

SECTION 4 First aid measures

4.1 Description of first aid measures.

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 induce vomiting.

Notes for the doctor: None.

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SECTION 5 Fire Fighting Measures

5.1. extinguishing agents.

The product is not flammable under normal conditions of storage, handling and use. In case of ignition due to improper handling, storage or preferential use of polyvalent Powder extinguishers (ABC powder) in accordance with the fire protection ordinance. It is not recommended to use tap water as extinguishing agent.

5.2 Specific hazards arising from the substance or mixture.

The product is non flammable, non explosive and does not support the ignition or combustion of other materials:

5.3. instructions for fire fighting.

Depending on the extent of the fire, it may be necessary to use full protective clothing and individual respiratory protection equipment. According to Directive 89/654/EC, minimum emergency facilities and equipment (fire blankets, portable first aid, ...) should be available.

Additional provisions:

Act in accordance with the internal emergency plan and the information sheets on measures to be taken after an accident or other emergency. Eliminate any source of ignition. In the event of fire, cool storage containers and tanks for flammable, explosive products due to high temperatures. Avoid spilling the extinguishing agents used in case of 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.

6.3. methods and materials for retention and cleaning.

Pick up mechanically. Dispose of in suitable containers. Clean up.

6.4. reference to other sections.

Observe information on disposal

SECTION 7 Handling and storage

7.1. protective measures for safe handling.

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

7.2. conditions for safe storage, taking into account incompatibilities

Let us consider the applicability: TRGS 510.

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.

7.3 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 Parameters to be monitored.

General safety and hygiene measures at the workplace

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As a preventive measure, it is recommended to use basic personal protective equipment with the appropriate "CE marking" according to Directive 89/686/EC. Further information on personal protective equipment (storage, use, cleaning, maintenance, protection class, ...) can be found in the technical data sheet provided by the manufacturer.

All information contained herein is recommendations.

Respiratory protection

Pictogram	Ppe	Identification	CEN standard	Remarks
 Mandatory Respiratory protection	Filter mask for gases, vapours and particles		EN 149:2001+A1:2009 EN 405:2001+A1:2009	Use a new mask if breathing becomes difficult, or if you feel an unpleasant smell or irritation in your breathing.

Hand protection

Pictogram	Ppe	Identification	CEN standard	Note
 Compulsory hand protection	Protective gloves against low risks			Replace gloves if there is any sign of damage. For prolonged periods of exposure to the product for professional users/industries, we recommend the use of CE III gloves in accordance with the EN420 and

Eye and face protection

Pictogram	Ppe	Identification	CEN standard	Remarks
 Compulsory face protection	Panorama goggles against liquid splashes		EN 166:2001 EN ISO 4007:2012	Clean and disinfect the face shield after each use. We recommend wearing a face mask, so that there is a risk of splashing the material, or for example when working overhead.

Body protection

LRP	Ppe	Identification	CEN standard	Remarks
	Workwear			For professional use only.
LRP	Ppe	Identification	CEN standard	Remarks
	Non-slip safety shoes		EN ISO 20347:2012	none

Additional emergency measures

Emergency measure	Standards	Emergen	Standards

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 Emergency Shower	ANSI Z358-1 ISO 3864-1:2002	 Eye wash stations	YOURS 12 899 ISO 3864-1:2002
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Environmental exposure controls:

The product and / or the container must not be allowed to enter the environment or sewage system.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (supply): 0 % Weight

V.O.C. density at 20° C: 0 kg/m³ (0 g/L)

Average carbon number: Not applicable

Average molecular weight: Not applicable

SECTION 9 Physical and chemical properties

9.1. information on basic physical and chemical characteristics.

For complete information please refer to the product data sheet.

Look:

Physical state at 20 o C: Fixed

Look: Powdery

Colour: ivory

Odour: Characteristic

Explosiveness:

Boiling point at atmospheric pressure: Not applicable *

Vapor pressure at 20°C: Not applicable *

Vapor pressure at 50°C: Not applicable *

Evaporation rate at 20°C: Not applicable

Product description:

density at 20°C: 2631 kg/m³

Relative density at 20°C: 2,631

Dynamic viscosity at 20°C: Not applicable *

Kinematic viscosity at 20°C: Not applicable *

Kinematic viscosity at 40°C: Not applicable *

Concentration: Not applicable *

pH value: Not applicable *

Vapour density at 20°C: Not applicable *

Separation coefficient n-octanol/water 20°C: Not applicable *

Solubility in water at 20°C: Not applicable *

Solubility property: Not applicable *

Decomposition temperature: Not applicable *

Flammability:

Flash point: Non-flammable (>60°C)

Auto ignition temperature: Not applicable *

Lowest flammability limit: Not applicable *

Upper flammability limit: Not applicable *

9.2 Other information

Surface tension at 20°C: Not applicable *

Break index: Not applicable *

*Not relevant due to the nature of the product.

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SECTION 10 Stability and reactivity

10.1. Reactivity.

No dangerous reactions are to be expected under recommended storage, handling and use. See section 7.

10.2 Chemical stability.

Chemically stable under the recommended conditions of storage, handling and use.

10.3 Possibility of dangerous reactions.

Under the recommended conditions of storage, handling and use, no reactions are to be expected that could cause extremely high temperatures or dangerous pressures.

10.4 Conditions to be avoided.

Suitable for handling and storage at room temperature:

Shock and friction	Contact with air	Temperature rise	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Avoiding direct effects

10.5. incompatible materials.

Acids	Water	Explosive materials	Combustible materials	Other
Can react very strongly	Hardens quickly, clumps	Not applicable	Not applicable	Base metal salts (Al, NH ₄ ,...)

10.6. hazardous decomposition products.

See sections 10.3, 10.4 and 10.5 for the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances may be released: Carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11 Toxicological information

11.1. information on toxicological effects.

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.

LD₅₀ (oral, rat): 7340 mg/kg (IUCLID) (lit.).

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.).

11.2 Primary irritant effect:

on the skin: Irritating to skin and mucous membranes. on the eye: Strong irritant effect. Risk of serious damage to the cornea.

Sensitization: No sensitizing effect known.

Subacute to chronic toxicity: Not suspected of carcinogenic properties (Lit.).

11.3 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.

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.

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

SECTION 12 Environmental information

12.1 Information on elimination (persistence and degradability): Biodegradability:

Methods for determining biodegradability are not applicable to inorganic substances.

12.2. behaviour in environmental compartments: Accumulation in organisms is not expected.

12.3 Ecotoxic effects:

Biological effects: Harmful 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.

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

12.4 Behaviour in sewage treatment plants: The product causes a significant pH change. Neutralize before discharge.

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

SECTION 13. disposal instructions

13.1. waste treatment procedures.

product:

Recommendation: Product hardens after 1 to 12 h after addition of water and can be disposed of as building rubble afterwards. Dried-in residues can be disposed of with the household waste.

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

Old colours cured

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 you will find special instructions for the respective national conditions as well as contact persons.

Uncontaminated packaging: Non-contaminated packaging can be recycled. Recommended cleaning agent: Empty bucket thoroughly.

SECTION 14 Transport information

14.1 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: -
Name of the property: Not a dangerous good

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.

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Air transport ICAO-TI and IATA-DGR:

ICAO/IATA number:

UN/ID number:

packing group: Pack-Instr.

Passenger: Pack-instr.

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.

Labelling according to EC directives:

The product is classified and labelled in accordance with EC directives on hazardous substances.

The usual precautionary measures for handling chemicals must be observed.

Special labelling of certain preparations:

Product contains cement and reacts strongly alkaline with water; therefore protect skin and eyes.

Information on employment restrictions: Observe employment restrictions for young people.

Water hazard class: WGK 1 (self-assessment): slightly hazardous to water.

Other regulations, restrictions and prohibitions:

According to § 20 of the Ordinance on Hazardous Substances, operating instructions must be drawn up for this product.

UVV / BGV:

"Mineral dust hazardous to health" (VBG 119)

When handling preparations, the accident prevention regulations according to VBG 1 §§ 43 to 49 must be observed.

BG leaflet:

M 004: Irritant substances, corrosive substances

M 042: Skin protection

M 050: Handling of substances hazardous to health.

M 053: General occupational safety measures for handling hazardous substances BG-precautionary examinations:

G 1.1 Mineral dusts, silicones, hazardous to health.

(Screening is only necessary if the trigger level of the individual screening tests listed under point 8, substances is exceeded).

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: Dr. Felix Ferlemann

Data changed from the previous version.