

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

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

1.1. Product identifier CONCRETE EFFECT

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

Identified use: decorative plaster

Uses advised against: not specified

1.3. Details of the supplier of the safety data sheet

Cameleo Leśniewicz Gradowska Sp. J

ul. Sikorskiego 139

63-100 Psarskie

Tel. +48 61 28 35 899

E-mail address of the person responsible for the safety data sheet: office@cameleo.pl

1.4. Emergency telephone number +48 61 28 35 899 (8.00 - 16.00)
112 (general emergency number), 998 (fire brigade), 999 (ambulance service);

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 1272/2008

Eye Dam. 1; H318

Human health hazards

Causes serious eye damage.

Environmental hazards

None.

Physical/chemical hazards

None.

2.2. Label elements

Contains: Calcium hydroxide [CAS: 1305-62-0]

Pictograms:



Signal word: Danger

Hazard statements:

H318 - Causes serious eye damage.

Precautionary statements:

P102 - Keep out of reach of children.

P260 - Do not breathe dust.

P280 - Wear protective gloves/eye 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 CENTRE/doctor.

P501 - Dispose of contents/container to an approved waste disposal contractor.

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

2.3. Other hazards

Dust may cause mechanical irritation.
Dust may form explosive mixtures with air.

Annex XIII to the REACH Regulation - Criteria for the identification of persistent, bioaccumulative and toxic (PBT) substances and very persistent and very bioaccumulative (vPvB) substances - The mixture does not contain substances meeting the PBT or vPvB criteria.

Substances with endocrine-disrupting properties (according to the criteria in Commission Delegated Regulation (EU) 2017/2100 and Commission Regulation (EU) 2018/605) - not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredients:

Product identifier	Content [%]	Hazard class and category codes	Hazard statement codes and supplementary statements	- Specific concentration limits - M-factor - Acute Toxicity Estimate (ATE)
Calcium hydroxide* CAS: 1305-62-0 EC: 215-137-3 Index No.: - REACH No.: 01-2119475151-45-XXXX	5	Skin Irrit. 2 Eye Dam. 1 STOT SE 3	H315 H318 H335	-
Triiron tetraoxide* CAS: 1317-61-9 EC: 215-168-2 Index No.: - REACH No.: -	<1	-	-	-

Full text of the H-statements is given in section 16.

*Substance with a specified NDS occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing. Wash contaminated skin with soap and water. Consult a doctor if skin irritation occurs.

In case of eye contact:

Rinse eyes with plenty of water for at least 15 min., keeping the eyelids wide open. Remove contact lenses if present. Avoid a strong water jet because of the risk of corneal damage. Contact a doctor immediately.

Inhalation exposure:

Move the affected person to fresh air and keep at rest. If breathing difficulties occur, administer oxygen and obtain medical assistance.

In case of ingestion:

Do not induce vomiting. Rinse mouth with water. Seek medical advice.

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

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

Skin contact may cause irritation and redness.
Direct eye contact may cause severe eye irritation.
Dust may cause mechanical irritation of the respiratory tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: dry extinguishing powders, carbon dioxide, foam, water mist. Use firefighting methods appropriate to the surrounding conditions.

Unsuitable extinguishing media: strong water jet.

5.2. Special hazards arising from the substance or mixture

Product dust may form explosive mixtures with air.

Combustion releases fumes hazardous to health - carbon oxides.

5.3. Advice for firefighters

Cool containers in the fire area with water spray and, if possible, remove them from the danger zone.

In the event of a fire in an enclosed space, wear protective clothing and self-contained compressed-air breathing apparatus.

Prevent firefighting water from entering surface water, groundwater and sewers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: notify the appropriate services of the incident. Remove anyone not involved in the clean-up from the danger area.

For emergency responders: ensure adequate ventilation and use personal protective equipment. Avoid dust formation.

6.2. Environmental precautions

Prevent spreading and entry into sewers and bodies of water.

6.3. Methods and material for containment and cleaning up

Prevent spreading and remove by mechanical collection. Place contaminated material in appropriately labelled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections

Disposal of product waste - see section 13 of this sheet.

Personal protective equipment - see section 8 of this sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate room ventilation.

Follow occupational health and safety rules: do not eat, drink or smoke in the workplace. Wash hands after use.

Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

incompatibilities

Store in a cool, dry, well-ventilated room.

Store in the original, closed and properly labelled container.

Protect from fire, ignition sources, heating and sunlight.

Protect from water and moisture.

7.3. Specific end use(s)

Uses as specified in section 1.2 - no additional recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits in accordance with the Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on maximum admissible concentrations and intensities of agents harmful to health in the working environment (Journal of Laws, item 1286, as amended).

Ingredients subject to occupational exposure limits:

Chemical name and CAS number	Maximum admissible concentration (in mg/m ³), depending on exposure time during a working shift			Number of fibres (in cm ³)	Notes: Substance marked with "skin" notation
	NDS	NDSch	NDSP		
Calcium hydroxide [CAS: 1305-62-0] - inhalable fraction - respirable fraction	2 1	6 4	- -	-	-
Triiron tetraoxide [CAS: 1317-61-9] - inhalable fraction - respirable fraction	5 2.5	10 5	- -	-	-

Calcium hydroxide

DNEL, worker, inhalation, long-term exposure, local effects: 1 mg/m³ (respirable fraction)

DNEL, worker, inhalation, short-term exposure, local effects: 4 mg/m³ (respirable fraction)

DNEL, consumer, inhalation, long-term exposure, local effects: 1 mg/m³ (respirable fraction)

DNEL, consumer, inhalation, short-term exposure, local effects: 4 mg/m³ (respirable fraction)

PNEC, freshwater: 0.49 mg/l

PNEC, seawater: 0.32 mg/l

PNEC, sewage treatment plant: 3 mg/l

PNEC, soil: 1080 mg/kg

Triiron tetraoxide

DNEL, worker, inhalation, long-term exposure, systemic effects: 10 mg/m³

DNEL, worker, inhalation, long-term exposure, local effects: 10 mg/m³

8.2. Exposure controls

Appropriate engineering controls:

General room ventilation is recommended.

Observe basic occupational health and safety rules.

Wash hands during breaks and after finishing work with the product.

Do not eat, drink or smoke when working with the product.

Remove contaminated clothing and wash before reuse.

Individual protection measures, such as personal protective equipment:

Select personal protective equipment according to the hazards in the workplace, taking into account Regulation (EU) 2016/425 of the European Parliament and of the Council and the relevant CEN standards.

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

Eye or face protection:



Wear safety goggles or a face shield (compliant with EN 166).

Skin protection:

Hand protection:



Wear chemical-resistant protective gloves compliant with EN 374.

Material of the gloves:

The choice of suitable gloves depends not only on the material but also on the brand and quality, which vary between manufacturers. The resistance of the glove material can be determined by testing. The exact glove breakthrough time must be established by the manufacturer.

Other:



Wear work clothing.

Respiratory protection:

In case of inadequate ventilation, use dust masks.

Thermal hazards:

Not applicable.

Environmental exposure controls

Emissions from ventilation systems and process equipment should be checked to determine compliance with environmental protection legislation.

Observe the basic rules for the use of machinery and equipment.

Prevent release into the environment and entry into sewers and watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- | | |
|--|-------------------|
| a) Physical state | Solid |
| b) Colour | Grey |
| c) Odour | Odourless |
| d) Melting point/freezing point
(not applicable to gases) | No data available |
| e) Boiling point or initial boiling
point and boiling range | Not applicable |

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

f) Flammability (applies to gases, liquids and solids)	Non-flammable
g) Lower and upper explosion limits (not applicable to solids)	No data available
Flash point	
h) (not applicable to gases, aerosols and solids)	Not applicable
i) Auto-ignition temperature (applies only to gases and liquids)	Not applicable
Decomposition temperature (applies only to self-reactive substances and mixtures, organic peroxides and other substances and mixtures that may decompose)	Not applicable
j) pH	
k) (not applicable to gases)	No data available
l) Kinematic viscosity (applies only to liquids)	Not applicable
m) Solubility	Miscible with water
Partition coefficient	
n) n-octanol/water (log value)	Not applicable - mixture
o) Vapour pressure	Not applicable
p) Density or relative density (applies only to liquids and solids)	Approx. 2.5 g/cm ³
q) Relative vapour density (applies only to gases and liquids)	Not applicable
r) Particle characteristics (applies only to solids)	No data available

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

The calcium hydroxide in the product reacts with carbon dioxide (calcium carbonate is formed).

10.2. Chemical stability

The product is stable under normal conditions of use, storage and transport.

10.3. Possibility of hazardous reactions

Exothermic reactions with acids.

Calcium hydroxide releases hydrogen when reacting with aluminium or brass.

10.4. Conditions to avoid

Avoid heating, ignition sources and sunlight. Avoid moisture.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

No decomposition under the recommended conditions of use and storage.

SECTION 11: Toxicological information

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

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

a)	Acute toxicity	Based on available data, the classification criteria are not met.
b)	Skin corrosion/irritation	Based on available data, the classification criteria are not met.
c)	Serious eye damage/eye irritation	Causes serious eye damage.
d)	Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
e)	Germ cell mutagenicity	Based on available data, the classification criteria are not met.
f)	Carcinogenicity	Based on available data, the classification criteria are not met.
g)	Reproductive toxicity	Based on available data, the classification criteria are not met.
h)	Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
i)	Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
j)	Aspiration hazard	Based on available data, the classification criteria are not met.

Ingredient data:

Calcium hydroxide

LD50, oral, rat: >2000 mg/kg

LD50, dermal, rabbit: >2500 mg/kg

Triiron tetraoxide

LD50, oral, rat: >5000 mg/kg

LC50, inhalation, rat: >210 mg/m³, 14 days (dust/mist)

11.2. Information on other hazards

Endocrine-disrupting properties

None.

SECTION 12: Ecological information

12.1. Toxicity

The mixture is not classified as hazardous to the environment.

Calcium hydroxide

Freshwater fish LC50: 50.6 mg/l, 96 h

Marine fish LC50: 457 mg/l, 96 h

Freshwater crustaceans EC50: 49.1 mg/l, 48 h

Marine crustaceans LC50: 158 mg/l, 96 h

Marine crustaceans NOEC: 32 mg/l, 14 days

Freshwater algae EC50: 184.57 mg/l, 72 h

Freshwater algae NOEC: 48 mg/l, 72 h

Soil microorganisms EC10/LC10 or NOEC: 2000 mg/kg

Soil organisms EC10/LC10 or NOEC: 12000 mg/kg

Terrestrial plants NOEC: 1080 mg/kg, 21 days

Triiron tetraoxide

Fish (Danio rerio) LC0: >50000 mg/l, 96 h

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

Crustaceans (Daphnia magna) EC50: >100 mg/l, 48 h
Microorganisms (activated sludge) EC50: >10000 mg/l, 3 h

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The product does not contain PBT or vPvB substances.

12.6. Endocrine-disrupting properties

The mixture does not contain endocrine-disrupting substances.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Keep residues in the original containers. Dispose of in accordance with applicable regulations.
Empty containers must be disposed of or recycled in accordance with applicable regulations.

Waste codes according to the Regulation of the Minister of Climate of 2 January 2020 on the catalogue of waste (Journal of Laws, item 10).

EU legislation on waste:

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

ADR/RID/IMDG/IATA:

14.1. UN number or ID number

Not applicable; the product is not classified as dangerous for transport.

14.2. UN proper shipping name

Not applicable; the product is not classified as dangerous for transport.

14.3. Transport hazard class(es)

Not applicable; the product is not classified as dangerous for transport.

14.4. Packing group

Not applicable; the product is not classified as dangerous for transport.

14.5. Environmental hazards

Not applicable; the product is not classified as dangerous for transport.

14.6. Special precautions for user

Not applicable; the product is not classified as dangerous for transport.

14.7. Maritime transport in bulk according to IMO instruments

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

Not applicable; the product is not classified as dangerous for transport.

SECTION 15: Regulatory information

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

1. 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.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
3. European Parliament and Council Regulation No 1272/2008 of 16 December 2008 (CLP), as amended.
4. Act of 25 February 2011 on chemical substances and their mixtures (consolidated text: Journal of Laws 2020, item 2289; 2021, item 2151).
5. Act of 28 May 2020 amending the Act on chemical substances and their mixtures and certain other acts (Journal of Laws 2020, item 1337).
6. Act of 14 December 2012 on waste (consolidated text: Journal of Laws 2021, items 779, 784, 1648, 2151).
7. Act of 13 June 2013 on packaging and packaging waste management (consolidated text: Journal of Laws 2020, items 1114, 2361; 2021, item 2151).
8. Regulation of the Minister of Climate of 2 January 2020 on the catalogue of waste (Journal of Laws 2020, item 10).
9. Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.
10. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.
11. Notice of the Marshal of the Sejm of the Republic of Poland of 19 March 2021 announcing the consolidated text of the Act on the carriage of dangerous goods (Journal of Laws 2021, item 756).
12. ADR Agreement 2021 - Government Statement of 15 February 2021 on the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (Journal of Laws 2021, item 874).
13. Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on maximum admissible concentrations and intensities of agents harmful to health in the working environment (Journal of Laws, item 1286, as amended).
14. Regulation of the Minister of Health of 30 December 2004 on occupational health and safety relating to chemical agents in the workplace (consolidated text: Journal of Laws 2016, item 1488).
15. Regulation of the Minister of the Environment of 9 December 2003 on substances posing a particular hazard to the environment (Journal of Laws No 217, item 2141).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the mixture.

Annex XIV to the REACH Regulation - List of substances subject to authorisation: not applicable.

SVHC substances - Candidate List of substances of very high concern for authorisation: not applicable.

Annex XVII to the REACH Regulation - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: not applicable.

SECTION 16: Other information

H-statements:

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

CONCRETE EFFECT

Date of issue: 14.04.2022

EN version: 1.0

H335 - May cause respiratory irritation.

Explanation of abbreviations, acronyms and symbols used:

Skin Irrit. 2 - Skin irritation, category 2

Eye Dam. 1 - Serious eye damage, category 1

STOT SE 3 - Specific target organ toxicity - single exposure, category 3

NDS - Maximum admissible concentration

NDSch - Maximum admissible short-term concentration

NDSP - Maximum admissible ceiling concentration

DNEL - Derived No-Effect Level

PNEC - Predicted No-Effect Concentration

LC50 - Median lethal concentration: a statistically determined concentration of a substance expected to cause the death of 50% of exposed organisms during exposure or within a specified period after exposure.

LD50 - Median lethal dose: a statistically determined single dose of a substance expected to cause the death of 50% of exposed test organisms.

EC50 - Median effective concentration: a statistically calculated concentration that induces a specified effect in 50% of test organisms in an environmental medium under specified conditions.

NOEC (no observed effect concentration) - The highest concentration at which there is no significant increase in the frequency or severity of the effects of a substance in test organisms compared with the control.

PBT - Persistent, bioaccumulative and toxic

vPvB - Very persistent and very bioaccumulative

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG - International Maritime Dangerous Goods Code

IATA - Dangerous Goods Regulations issued by the International Air Transport Association

Basis for classification:

Eye Dam. 1; H318 - based on ingredient content (calculation method).

Training:

Before starting work with the product, employees must undergo occupational health and safety training relating to chemical agents in the working environment. Carry out and document an occupational risk assessment for the workplace involving chemical agents and inform employees of the results.

SOURCE MATERIALS

Annex to Regulation (EU) 2020/878 of 18 June 2020.

Legislation cited in section 15 of this sheet.

Information from the Bureau for Chemical Substances.

The information in this Safety Data Sheet applies only to the product named in the title. The data in this sheet should be regarded solely as an aid to safe use of the product. Since storage, transport and use conditions are beyond our control, they cannot constitute a warranty in the legal sense. Statutory provisions and any third-party rights must be observed in all cases. This sheet does not constitute a workplace risk assessment. The product must not be used for purposes other than those specified in section 1 without prior consultation with the manufacturer.

Prepared by SPIN-DORADZTWO