

in accordance with Regulation (EC) No 1907/2006/EC (REACH) as amended by Regulation (EU) 2020/878

Printing date 20.12.2024

Version number 3

Revision: 20.12.2024

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

1.1 Product identifier:

Trade name: Leca® Uno

UFI: 1300-U0G5-V00W-GENS

Safety data sheet no.: XXP013526

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

Identified uses: This product is used in the professional and consumer sector in construction applications, for filling interior or exterior floors, ground or elevated; execution of roof slopes.

Uses advised against: All uses not specified under this heading or in subsection 7.3.

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

Leca Portugal S.A.

Estrada Nacional 110, S/N

3240-356 Avelar

Portugal

Tel. +351 236 620 600

E-mail: info@leca.pt

1.4 Emergency telephone number:

Centro de Informação Antivenenos (CIAV) - (Poison Centres - Portugal) - (+351) 800 250 250 European Emergency Number – 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008

Results of in vitro- tests have shown that cement based mixtures with more than 1% of cement cause serious skin irritation and serious eye damage, therefore the classification of these mixtures regarding H315 and H318 is not based on the calculation of the ingredients or the pH in this case.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008.

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms



GHS05 GHS07

Signal word: Danger

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/ protective clothing/ eye protection/ 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/doctor.

P302+P352: IF ON SKIN: Wash with plenty of water.

P362 Take off contaminated clothing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:

| | | |
|--|---|--------|
| CAS: 65997-15-1 EINECS: 266-043-4 | Portland Cement, grey ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, Specific concentration limits: Skin Irrit. 2; H315: C ≥ 1 % Eye Dam. 1; H318: C ≥ 1 % | 10-25% |
| CAS: 471-34-1 EINECS: 207-439-9 Reg.nr.: 01-2119486795-18-xxxx | Calcium carbonate substance with a Community workplace exposure limit | 10-20% |

SVHC: Not relevant.

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Additional information:

Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information:

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing:

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing agents The product is not combustible.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

ANot relevant *. formation of dust.

Ensure adequate ventilation.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

No special measures required.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

6.4 Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Prevent formation of dust.

Provide suction extractors if dust is formed.

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

7.2 Conditions for safe storage, including any incompatibilities:

Storage

Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles and for a period of 12 months.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles. Protect from humidity and water.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

| DNELs | | |
|---|---|--|
| CAS: 471-34-1 calcium carbonate | | |
| Inhalative | Derived No Effect Level | 6.36 mg/m ³ (worker local long term value) 1.06 mg/m ³ (consumer local long term value) |
| CAS No. / Designation of material / % / Type / Value / Unit | | |
| CAS: 65997-15-1 Portland cement, grey | | |
| AGW (Germany) | Long-term value: 5 E mg/m ³ DFG | |
| LEP (Spain) | Long-term value: 4 mg/m ³ fracción respirable: e, d | |
| TWA (Italy) | Long-term value: 1 mg/m ³ (e, j), A4 | |
| VLE (Portugal) | Long-term value: 1 mg/m ³ Fracção resp.;A4,função pulm.,sintomas resp.,asma | |
| HTP (Finland) | Long-term value: 5* 1** mg/m ³ *hengittyvä pöly, **alveolijae | |
| CAS: 471-34-1 Calcium carbonate | | |
| LEP (Spain) | Long-term value: 10 mg/m ³ | |
| TWA (Italy) | Long-term value: (10) mg/m ³ (e) | |

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| | |
|----------------|--|
| VLE (Portugal) | Long-term value: (10) mg/m ³ (Irritação) |
|----------------|--|

Additional Occupational Exposure Limit Values for possible hazards during processing:

Total inhalable dust: 10 mg/m³

Respirable dust (< 5 µm): 4 mg/m³

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls:

Appropriate engineering controls: No further data; see item 7.

Individual protection measures, such as personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

ANot relevant *. contact with the eyes and skin.

Use a moisturizing skin cream after processing the product.

Respiratory protection:

Short term filter device:

Filter P2.

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection: Protective gloves.

Material of gloves: Nitrile impregnated cotton gloves complying with the standard EN 374-1.

Eye/face protection: Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General Information:

Colour: According to product specification.

Odour: Uncharacteristic.

Odour threshold: Not relevant *.

Melting point/freezing point: Not relevant *.

Boiling point or initial boiling point and boiling

Range: Not relevant *.

Flammability: Product is not flammable.

Lower and upper explosion limit:

Lower: Not relevant *.

Upper: Not relevant *.

Flash point: Not relevant *.

Ignition temperature: Not relevant *.

Decomposition temperature: Not relevant *.

pH Alkaline.

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| | |
|---|-------------------------------------|
| Viscosity: | |
| Kinematic viscosity: | Not relevant *. |
| Dynamic: | Not relevant *. |
| Solubility: | |
| Water: | Hardens when in contact with water. |
| Partition coefficient n-octanol/water (log value): | Not relevant *. |
| Vapour pressure: | Not relevant *. |
| Density and/or relative density: | |
| Density: | Not relevant *. |
| Relative density: | Not relevant *. |
| Vapour density: | Not relevant *. |
| Particle characteristics: | See item 3. |

*No data available at the time of writing this SDS.

| | |
|---|---|
| 9.2 Other information: | None. |
| Appearance: | |
| Form: | Powder. |
| Important information on protection of health and environment, and on safety | |
| Auto-ignition temperature: | Product is not self-igniting. |
| Explosive properties: | Product does not present an explosion hazard. |
| EU-VOC (%): | 0.0000 % |
| EU-VOC (g/L): | 0.0000 g/l |
| Change in condition: | |
| Softening point/range: | |
| Oxidising properties: | Not determined. |
| Evaporation rate: | Not applicable. |

| | |
|--|-----------------|
| Information with regard to physical hazard classes | |
| Explosives | Not relevant *. |
| Flammable gases | Not relevant *. |
| Aerosols | Not relevant *. |
| Oxidising gases | Not relevant *. |
| Gases under pressure | Not relevant *. |
| Flammable liquids | Not relevant *. |
| Flammable solids | Not relevant *. |
| Self-reactive substances and mixtures | Not relevant *. |
| Pyrophoric liquids | Not relevant *. |
| Pyrophoric solids | Not relevant *. |
| Self-heating substances and mixtures | Not relevant *. |
| Substances and mixtures, which emit flammable gases in contact with water | Not relevant *. |
| Oxidising liquids | Not relevant *. |
| Oxidising solids | Not relevant *. |
| Organic peroxides | Not relevant *. |
| Corrosive to metals | Not relevant *. |

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Desensitised explosives

Not relevant *.

*No data available at the time of writing.

SECTION 10: Stability and reactivity

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability: Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

Reacts with acids.

Reacts with light alloys in the presence of moisture to form hydrogen.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

| Components | / | Type | / | Value | / | Species |
|--|------|--------------|---|-------|---|----------|
| CAS: 65997-15-1 Portland cement, grey | | | | | | |
| Dermal | LD50 | >2,000 mg/kg | | | | (Rabbit) |
| CAS: 471-34-1 calcium carbonate | | | | | | |
| Oral | LD50 | 6,450 mg/kg | | | | (Rat) |
| Dermal | LD50 | 6,450 mg/kg | | | | (Rat) |

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage. **Respiratory or skin sensitization:** 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 Based on available data, the classification criteria are not met.

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

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11.2 Information on other hazards

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Endocrine disrupting properties:

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

| Type of test / Effective concentration / Method / Assessment |
|--|
| CAS: 471-34-1 calcium carbonate |
| EC50/72h 14 mg/l (Algae) |

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Does not contain PBT substances. **vPvB:** Does not contain vPvB substances.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects Remark:

The product contains substances which causes severe clouding in water.

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation

Product hardens after adding water after 5 to 6 hours and can then be disposed of as building rubbish.

Possible waste code 17 09 04.

| European waste catalogue | |
|--------------------------|---|
| 10 13 11 | wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10. |
| 10 13 14 | waste concrete and concrete sludge. |
| HP4 | Irritant - skin irritation and eye damage. |
| HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity. |
| HP13 | Sensitising. |

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Thoroughly shake out sacks.

SECTION 14: Transport information

| | |
|---|--|
| 14.1 UN number or ID number ADR, ADN, IMDG, IATA | Not relevant *. |
| 14.2 UN proper shipping name ADR, ADN, IMDG, IATA | Not relevant *. |
| 14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class | Not relevant *. |
| 14.4 Packing group ADR, IMDG, IATA | Not relevant *. |
| 14.5 Environmental hazards: | Not applicable. |
| 14.6 Special precautions for user | Not applicable. |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| Transport/Additional information: | Not dangerous according to the above specifications. |
| UN "Model Regulation": | Not relevant *. |

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Directive 2004/42/CE (VOC), cf. section 9

Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII

The marketing and use of cement is subject to a restriction on the content of soluble Cr (VI) (REACH Annex XVII point 47 Chromium VI compounds).

Conditions of restriction: 47.

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DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

EUH203 Contains chromium (VI). May produce an allergic reaction.

Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitisation

Specific target organ toxicity (single exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: Technical Department

Contact: +351 236 620 600

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation - Category 2
Eye Dam. 1: Serious eye damage/eye irritation - Category 1
Skin Sens. 1: Skin sensitisation - Category 1
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.