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SECTION 0. INTRODUCTORY NOTE

The expanded clay product does not have characteristics that make it classified as hazardous under the terms of the current legislation, Regulation (EC) No. 1272/2008. In addition, it does not comply with the requirements listed in Article 31 of Regulation (EC) No 1907/2006, called REACH. For this reason, no Safety Data Sheet (SDS) is provided, but only this Safety Information Sheet (SIS) prepared following the structure and content of Annex II to the REACH Regulation on the requirements for the compilation of the SDS, as amended by Regulation (EU) 2020/878.

SECTION 1. SUBSTANCE AND COMPANY IDENTIFICATION

1.1 Product Identifier

Trade Name: Leca[®]

1.2 Relevant identified uses of the substance and uses advised against:

No further relevant information available.

Product Application Field:

Lightweight aggregate obtained by processing natural materials for use in the production of concrete, prefabrication of construction elements, mortars, thermal insulation and in geotechnical applications.

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:

Poison Information Centre (CIAV) - (+351) 800 250 250 (PT)
European Emergency Number – 112

SECTION 2. IDENTIFICATION OF HAZARDS

2.1 Classification of the substance

Classification according to Regulation (EC) No 1272/2008:

The product does not meet the hazard characteristics according to section 2.1 of Annex I of EC Regulation No. 1272/2008 (CLP), therefore the product should not be considered dangerous under said Regulation.

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008: Not applicable.**Precautionary statements****Health risks:** The product does not present any danger under normal conditions of use.

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Environment risks: The product does not present a particular hazard to the environment, provided that the recommendations in point 13 regarding its disposal are respected, as well as the national or local legislation that may apply.

Physical and chemical danger: The product does not present any danger under normal conditions of use.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

mPvB: Does not contain vPvB substances.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Chemical characterization

Description: Mixture of silicon, aluminum and iron oxides and another elements, obtained from natural clay.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Warnings:

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: In case of inhalation of a large amount of dust: move the subject away from the dusty area. Seek medical attention immediately in case of breathing difficulties.

After skin contact: In general, the product does not irritate the skin. If irritation or rash occurs, wash with plenty of soap and water.

After eye contact: Do not rub your eyes to avoid damage to the cornea. Rinse thoroughly under running water for at least 15 minutes, keeping the eyelids wide open. Remove contact lenses if you can. Seek medical attention if eye irritation persists.

Ingestion: In case of significant ingestion, rinse your mouth immediately without swallowin. If symptoms persist, consult a doctor.

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.

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5.2 Special hazards arising from the substance

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

Avoid breathing in dust. Avoid eye contact.

6.2 Environmental precautions

No special measures required.

6.3 Methods and material for containment and cleaning up

No special measures required.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

It does not require specific technical measures.

Prevent the formation of dust clouds. If they form, ensure adequate ventilation. Avoid dust inhalation and contact with eyes and skin. Whenever necessary, wear appropriate protective equipment (mask).

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

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Demands to storage and containers: Store away from water.

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)

Product used in the construction industry, both loose and mixed with binders and other aggregates.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

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Crystalline Silica CAS: 14808-60-7	VLE-MP	Inhalable particles (8h): 10 mg/m ³ Respirable particles (8h): 0.025 mg/m ³
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8.2 Exposure control

Personal protective equipment:

Whenever necessary, wear personal protective equipment in accordance with European and national legislation. Please consult with the supplier before making a final decision.

General protective and hygienic measures: Do not eat, drink, or smoke when working with this product.

Respiratory protection: Usually is not necessary. In case of dust cloud formation, use respiratory protection equipment.

Hand protection: Protective gloves.

Gloves material: Nitrile impregnated cotton gloves.

Eye protection: Fully enclosed goggles.

Body protection: Workwear.

SECTION 9: PHYSICOCHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Solid, brownish.

Odor: Odorless.

Odor threshold: No threshold, odorless.

pH: 9 - 10.

Melting point/freezing point: 1100°C/Not applicable.

Flash point: Not applicable.

Evaporation rate: Not applicable.

Flammability: Non-flammable (Class A1).

Upper/lower flammability or explosive limits: Not applicable.

Vapor pressure: Not applicable.

Vapor density: Not applicable.

Relative density: 250 – 750 kg/m³.

Solubility: Insoluble in water.

Partition coefficient n-octane / water: Not applicable.

Auto-ignition temperature: Not applicable.

Decomposition temperature: Not applicable.

Viscosity: Not applicable.

Explosive properties: Not applicable.

Oxidizing properties: Not applicable.

9.2 Other Information

There is no further relevant information available.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions of use.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of dangerous reactions

No dangerous reactions are known.

10.4 Conditions to be avoided

No particular condition to avoid.

10.5 Incompatible Materials

None in particular.

10.6 Hazardous decomposition products

There are no known hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity

On the basis of the available data, the classification criteria are not fulfilled.

On the skin: May cause skin irritation.

In the eye: Can cause serious eye damage.

Sensitization: May cause an allergic skin reaction.

Mutagenicity in germ cells: Based on the available data, the classification criteria are not fulfilled.

Carcinogenicity: Based on the available data, the classification criteria are not fulfilled.

Reproductive toxicity: Based on the available data, the classification criteria are not fulfilled.

Specific Target Organ Toxicity (STOT) – single exposure: May cause irritation of the respiratory tract.

Specific Target Organ Toxicity (STOT) – Repeated Exposure: Based on the available data, the classification criteria are not met.

Aspiration hazard: On the basis of the available data, the classification criteria are not fulfilled.

Other information (on experimental toxicology): The powder of the product may contain small amounts of respirable crystalline silica. Significant long-term exposure (typically > 10 years) to respirable silica can cause silicosis and lung cancer.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not have any substances listed.

SECTION 12: ECOLOGICAL INFORMATION

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12.1 Toxicity

Aquatic toxicity: Not classified as harmful to aquatic life.

12.2 Persistence and degradability

The product is not biodegradable.

12.3 Bioaccumulation potential

It does not accumulate in organisms.

12.4 Ground mobility

Not mobile in the environment.

12.5 PBT and vPvB assessment results

The constituents of the product do not meet the PBT or vPvB classification criteria according to Annex XIII to Regulation (EC) No 1907/2006 (REACH).

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other Adverse Effects

There is no further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation: Small quantities can be deposited together with municipal waste and/or equivalent.

Residual product can be processed together along with the construction waste, according to national and/or local regulations.

The recovered material can be reused, for example, as insulation, as aggregate or in landscaping.

Uncleaned packaging:

Recommendation: Dispose of packing material according to national and/or local regulations.

Uncontaminated packaging may be subject to recycling.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or identification number: Not Applicable

14.2 Official UN Transport Designation: Not Applicable

14.3 Hazard Class(es) for Carriage Purposes: Not Applicable

14.4 Packing Group: Not Applicable

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14.5 Environmental hazards: Not applicable.

14.6 Special precautions for the user: Not applicable.

14.7 Bulk maritime transport in accordance with IMO instruments: Not applicable.

Transportation/Additional Information: It is not dangerous according to the above specifications.

SECTION 15: REGULATORY INFORMATION

15.1. Product-specific health, safety, and environmental regulations/legislation

The classification and labelling criteria established by Regulation (EC) No 1272/2008 (CLP) shall not apply.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been conducted.

According to the REACH regulation, this material is not a chemical substance. Therefore, chemical safety assessment is not necessary.

SECTION 16: OTHER INFORMATION

The described information is based on our knowledge of the product to the indicated date; however, it does not represent a guarantee of the properties of the product and does not support a legal situation. The user must have special attention in case this product will be used with different purposes than those for which it was conceived, being responsible for eventual occurrences.

Safety Information Sheet (SIS) issued by:

Department of Integrated Management System

Contact +351 236 620 600

Abbreviations and acronyms:

ACGIH: American Conference of Government Industrial Hygienists

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: Classification, labeling and packaging

EINECS: European inventory of existing commercial chemicals

IATA: International Air Transport Association

IMDG Code: International Maritime Code of Dangerous Goods

PBT: Persistent, bioaccumulative and toxic

REACH: Registration, evaluation and authorisation of chemicals

RID: Regulations on the International Carriage of Dangerous Goods by Rail

TWA: Time-Weighted Average

vPvB: Very persistent and very bioaccumulative.