

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.10.2020

Version number 3

Revision: 13.10.2020

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

1.1 Product identifier

Trade name Leca® LWA

Safety data sheet no.: 358P0305

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

Application of the substance / the mixture

Thermal insulation, fill material, construction product, raw material for Leca blocks and lightweight concrete, etc

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Leca Finland Oy
Strömberginkuja 2
FI-00380 Helsinki
+358 (0)10 44 22 668
info@leca.fi

1.4 Emergency telephone number:

+358 800 147 111
+358 9 471 977
Finnish Poison Information Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous to health or environment, according to the CLP regulation.

According to the REACH regulation this product is an article and not subject to CLP classification.

2.2 Label elements

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

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

When handling the product, airborne dust can be generated. Avoid breathing the dust which may contain small amounts of respirable crystalline silica (quartz). Occupational exposure limits apply for respirable silica, see section 8.

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Description

This product is an article, not a substance.

Additional information: Lightweight expanded clay aggregate, Leca.

SVHC Void

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SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation Supply fresh air.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth with water. Do not induce vomiting.
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.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No specific hazards related to the product.

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 formation of dust.

6.2 Environmental precautions: 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.

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: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

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

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Finland:

 Inorganic dust OEL(8h) = 10 mg/m³

 Respirable crystalline silica OEL(8h) = 0,05 mg/m³

8.2 Exposure controls

Personal protective equipment:
Respiratory protection:

Use suitable respiratory protective device when high concentrations are present.

If dust is generated wear respiratory protection with particulate filter.

Protection of hands: Not required.

Eye protection: Goggles recommended during dust generating operations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Solid.
Colour:	Light brown
Odour:	Odourless
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point:	ca. 1100 °C
Initial boiling point and boiling range:	Undetermined.

Flash point: Not applicable

Flammability (solid, gas): Product is not flammable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Oxidising properties: Not determined.

Vapour pressure: Not applicable.

Density at 20 °C: 200 - 500 kg/m³ (depending on grade)

Relative density: Not determined.

Vapour density: Not applicable.

Evaporation rate: Not applicable.

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**Solubility in / Miscibility with
Water:**

Insoluble

**Segregation coefficient (n-octanol/water) log
Pow:**

Not determined.

Viscosity:
dynamic:

Not applicable.

kinematic:

Not applicable.

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Not reactive under normal conditions of use

10.2 Chemical stability Stable at recommended storage conditions

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid None.

10.5 Incompatible materials: None.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Other information (about experimental toxicology):

Product dust may contain small amounts of respirable crystalline silica. Longterm significant exposure (usually > 10 years) to respirable silica may cause silicosis and lung cancer.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
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 Based on available data, the classification criteria are not met.

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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not classified as harmful to aquatic life

12.2 Persistence and degradability The product is not biodegradable.

12.3 Bioaccumulative potential Does not accumulate in organisms

Behaviour in environmental systems:
12.4 Mobility in soil Not mobile in the environment.

12.5 Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

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12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste.
Recovered material can be reused e.g. as isolation, graveling or in landscaping.

European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
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Uncleaned packaging:

Recommendation: Non contaminated packagings may be recycled.

Recommended cleaning agent: Thoroughly shake out sacks.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA	Void
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14.2 UN proper shipping name

ADR, ADN, IMDG, IATA	Void
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14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class	Void
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14.4 Packing group

ADR, IMDG, IATA	Void
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14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

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

Substance is not listed.

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15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

According to REACH regulation this material is an article and not a chemical substance. Therefore chemical safety assessment is not required.

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.

Department issuing SDS: Leca Finland Oy

Contact:

+358 (0)10 44 22 668

info@leca.fi

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 européen sur le transport 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

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

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

*** 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.