

Safety Data Sheet:

Argex lightweight expanded clay aggregate

According to Regulation (EC) No.1907/2006

Date of revision: 24/05/2022

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

1.1 Product identifier

Productname: lightweight expanded clay aggregate

Tradename: ARGEX®

1.2 Relevant identified uses of the product and uses advised against

Identified uses : lightweight expanded clay aggregates for concrete, mortar and grout, bituminous mixtures and surface treatments and for unbound and hydraulically bound applications for construction works.

Thermal insulation materials and products – In-situ formed expanded clay lightweight aggregate products and light weight fill and thermal insulation products for civil engineering applications (CEA).

1.3 Details of the supplier of the safety data sheet

ARGEX NV

Kruibeeksesteenweg 162

B- 2070 BURCHT-ZWIJNDRECHT

BELGIUM

Tel + 32 (0) 3/ 250 15 15

Fax + 32 (0) 3/ 250 15 00

1.4 Emergency telephone number

Please contact the QC department of Argex NV +32 498937859

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to EU legislation.

2.2 Label elements

Labelling (REGULATION (EC• No 1272/2008)

Not a dangerous substance according to GHS.

Labelling (67/548/ECC or 1999/45/EC)

The product does not need to be labelled in accordance with EC directives.

2.3 Other hazards



Low chance of reaching pH 10 in deionized water for lab applications.

SECTION 3. Composition/information on ingredients

Mineral ceramic material, clay fired at 1100 °C, consisting of
alumino silicate with chemical composition:

SiO₂: 60 % ± 5 %
Al₂O₃: 17 % ± 3 %
Fe₂O₃: 14 % ± 2 %

Other elements (K₂O, CaO, MgO, TiO₂, Na₂O) : 9 % ± 2 %

	CAS-number	
quartz	14808-60-7	± 10 %

SECTION 4 First Aid Measures

after inhalation:	respiration in fresh air.
after skin contact:	no known irritation
after eyecontact:	wash with water
after ingestion:	there is no known oral toxicity Although they should not be ingested, no harmful effects will result from quantities as much as 1 liter. ---

SECTION 5 Fire Fighting Measures

Non-combustible and Non-flammable. Suitable for fire extinction.

SECTION 6 Accidental release measures

Protective measurements for the environment: **not required**

SECTION 7 Storage, Handling, Transportation

Avoid dust formation. Dust formation can be prevented by wetting.
No further precautions.

SECTION 8 Exposition Limits and Personal Protection Gear

Exposition limits at the workplace

Dust (in general)	MAC 10 mg/m ³
Quartz	MAC 0,10 mg/m ³

Personal protection Gear

Breathing protection :	If atmosphere is dusty : dust mask, filter P3
Hand protection :	In contact with water protective gloves
Eye protection:	not required
Body protection:	not required
General protection measures:	none
Hygienic measures:	none

SECTION 9 Physical and chemical characteristics

Form:	round, crushed or mixed aggregate
Density:	320-750 kg/m ³ (depending on size and type)
Colour:	red / brown / black
Odour:	odourless
pH at 20°C:	6 to 10 in contact with water
Water solubility:	not soluble
Boiling point :	not relevant
Melting point :	> 1100 °C
Flash point :	not relevant
Self Ignition temp.:	not relevant
Explosion risk:	none
Combustion :	incombustible

SECTION 10 Stability and Reactivity

Conditions to avoid :	none
Materials to avoid :	none
Dangerous desintegration products :	none

SECTION 11 Details of Toxicity

non-toxic (LD 50 scale)

SECTION 12 Ecological information

- Persistence and ability to decompose : ceramic product
 - Biological decomposition / evaluation : not able to decompose biologically, used as substrate in biological filters.
 - Physical + chemical elimination / evaluation : inert, insoluble, do not decompose easy to eliminate from water
 - Toxic effects on ecology: **no known toxicity**
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SECTION 13 Disposal considerations

Product : can be reused and recycled. Discarded materials may be disposed off with construction debris in conformity with regulations. Small quantities as household waste.

Packing : Normally delivered unpacked. Plastics bags and wooden palets may be reused, recycled or disposed according to local regulation.

SECTION 14 Transport information

Land Transport (ADR/RID) classification : **not classified**

Inland waterway transport (AND) classification : **not classified**

Air transport (IATA) classification : **not classified**

Sea transport (IMDG) classification : **not classified**

SECTION 15 Regulatory information

Not dangerous material according to European Community Guidelines, 67/548 and 93/21 (packing and marking of dangerous products).

SECTION 16 Other information

none