

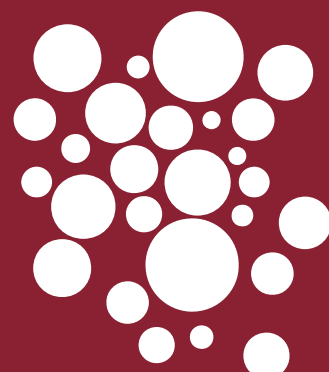


Argex[®]

Lightweight Expanded Aggregate

- Safety Data Sheet -

www.SpecialistAggregates.com



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1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product name: Argex® lightweight expanded aggregate

Product Code: 7840, 7841, 7842

Details of the supplier of the safety data sheet:

Specialist Aggregates Ltd - Rydal House - Colton Road - Rugeley - WS15 3HF

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2 COMPOSITION/INFORMATION ON COMPONENTS

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

Component Name	Formula	Concentration %
Silicon Dioxide	SiO ₂	60
Aluminum Oxide	Al ₂ O ₃	17
Iron Oxide	Fe ₂ O ₃	14
Potassium oxide	K ₂ O	} 9 (±2%)
Calcium Oxide	CaO	
Magnesium Oxide	MgO	
Titanium Dioxide	TiO ₂	
Sodium Carbonate	Na ₂ O	

All other elements are trace elements.

3 HAZARD IDENTIFICATION

Classification of the substance or mixture This substance is not classified as dangerous according to EU legislation.

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.

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

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FIRST AID MEASURES

- After Inhalation** Respiration in fresh air.
- After Skin Contact** No known irritation
- After Eye Contact** 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.

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FIRE FIGHTING MEASURES

This material is not combustible

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ACCIDENTAL RELEASE MEASURES

- Protective measurements for the environment** Not required.
- Recovery measures** Product can be swept up dry or wet. Personnel should use appropriate personal protective equipment particularly if material is in powder form and dry.

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HANDLING AND STORAGE

- Handling** Avoid dust formation. Dust formation can be prevented by wetting.
The Manual Handling Operations Regulations may apply to the handling of bags when carrying out assessments.
- Storage** The storage and use of this product is not subject to any requirements but it should be kept dry where this is important for further process use.

Exposition Limits at the Workplace:	Dust (in general) MAC 10 mg/m ³ Quartz MAC 0,10 mg/m ³
General:	a) Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should only be employed in processes in which this product is used under supervision. b) Persons with a history of skin sensitisation problems should only be employed in processes in which this product is used under appropriate medical supervision.
Engineering Measures:	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction during process use.
Personal Protection:	All Personal Protective Equipment, include Respiratory Protective Equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.
Respiratory Protection:	None except where used in applications that would cause dust, and then appropriate respiratory protection should be used depending on the application.
Hand Protection:	When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection.
Eye Protection:	Eye protection designed to protect against exposure which should be an EC approved helmet in blasting operations.
Skin Protection:	Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

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

Stability	Stable under normal conditions
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TOXICOLOGICAL INFORMATION

Acute Toxicity	No relevant studies identified
Irritancy - Eyes	No relevant studies identified
Irritancy - Skin	No relevant studies identified
Sub-acute/Subchronic Toxicity	No relevant studies identified
Chronic Toxicity/Carcinogenicity	No relevant studies identified
Genotoxicity Reproductive/Developmental	No relevant studies identified
Toxicity	No relevant studies identified
Human Data	No relevant studies identified
Additional Data	None

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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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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. Plastic bags and wooden pallets may be reused, recycled or disposed according to local regulation.

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TRANSPORT INFORMATION

Not regulated by national or international transport regulations

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

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications, and we do not accept any liability for any loss or damage, however arising, which may result directly or indirectly from the use of this information.

Further information and relevant advice can be found in: The Control of Substances Hazardous to Health Regulations 1988 (SI 1988. 1657).

The Manual Handling Operations Regulations 1992 (SI 1992:2793)

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992-2839).