

1 - Identification of the substance and of the company

Product identification	ALAG [®] , ALAG [®] S
Product use	Filler and aggregate for concretes and dry-mix mortars.
Company identification	Kerneos SA 8, des graviers F-92521 Neuilly sur Seine Cedex; FRANCE Tel +33 (0)1 46 37 90 00 Fax +33 (0)1 46 37 92 00 Contact : sds@kerneos.com
Emergency telephone number	ORFILA number: +33 1 45 42 59 59

2 - Hazards identification

Classification	Substance not classified in accordance with European directive 67/548/CE
Symbol/indication of danger	None
R phrases	None
General hazards not resulting in classification	Should dust be generated within a confined space, it is regarded as nuisance dust without any known specific effects to health.

3 - Composition / information on ingredients

Chemical name	Content	CAS n° / EINECS n° / Index n°	Symbol	R phrases
<u>Ceramic materials, wares, chemicals</u>	100 %(w/w)	66402-68-4/266-340-9/	None	None

4 - First aid measures

Inhalation	Make the person breath in fresh air. If symptoms persist, consult a doctor.
Contact with the skin	Remove soiled clothes and wash the skin with soap and water.
Contact with the eyes	Rinse abundantly with water. If symptoms persist, consult a doctor.
Ingestion	Should it be the case, rinse out mouth with water and drink abundant quantities of water.

5 - Fire-fighting measures

The product is not flammable and will not support flame. It does not promote combustion with other materials.

6 - Accidental release measures

Individual precautions	See sections 7 and 8. It is preferable for a dust mask to be worn.
Environmental precautions	Prevent entry to sewers / surface or ground water.
Clean-up methods	For large amounts, preferably use dry methods, while avoiding dust exposure. Do not empty materials into drains, sewers or water courses as the fines harden in contact with water.

7 - Handling and storage

Storage	Store the product in a dry place, preferably protected by a plastic cover, or in a silo.
Handling	A ventilation system is recommended to be used during handling of the product (unloading, mixing, transport, packing in sacks etc.) in order to evacuate dust.

8 - Exposure controls / Personal protection

Control parameters	<p>Particles not otherwise classified (ACGIH):</p> <p>Inhalable : TLV (TWA) = 10 mg/m³</p> <p>Respirable : TLV (TWA) = 3 mg/m³</p>
Personal protection	
Hand protection	Protective clothing is recommended, including waterproof gloves, and boots.
Eye protection	Dust proof goggles should be worn whenever there is a risk of fines entering the eyes.
Respiratory protection	Suitable respiratory protection should be worn when the conditions are such that the personal exposure is estimated to approach or exceed the stated limits.
Ingestion	When manipulating do not eat, drink or smoke.

9 - Physical and chemical properties

	ALAG®	ALAG® S
Form:	Granular material	Granular material
Colour:	Dark grey / brown	Dark grey / brown
Odour:	None	None
pH value (10% water dispersion):	11 - 11.5	11 - 11.5
Melting point:	1270° - 1440° C	1270° - 1440° C
Flash point:	Not Applicable	Not Applicable
Flammability (solid,gaseous):	Not Applicable	Not Applicable
Explosive characteristics:	Not Applicable	Not Applicable
Specific gravity (kg/m ³):	3250	3150
Solubility (in water):	< 2% soluble compound (solubility of non hydrated calcium aluminate si around 3,5g/l)	
Bulk density (kg/m ³):	1800 - 2000	1600 - 1800

10 - Stability and reactivity

Stability	<p>In a dry environment, the product is chemically stable.</p> <p>In the presence of water, calcium aluminates react chemically and harden to form stable calcium aluminate hydrates. This reaction is exo-thermal and may last up to 24 hours. The total heat released is < 500 kJ/kg.</p>
Dangerous decomposition products	None known

11 - Toxicological information

Acute toxicity

Oral

No data available

Inhalation

No data available

Contact with the eyes

Non-irritant

Contact with the skin

Non-irritant

* Sensitization / chronic toxicity

Does not contain measurable amounts of soluble Chromium(VI).

12 - Ecological information

Possible effect on the environment

In the presence of water or moisture, alkaline conditions are obtained which may have local effects on vegetation and aquatic life.

Eco-toxicity

No data available

Mobility, endurance and degradability

After hydration (a few hours or days in moist conditions) the product is stable in soil and in water, with a negligible mobility of its constituents.

Bio-accumulation potential

No data available

13 - Disposal considerations

The product is not industrial waste which requires specific treatment.

14 - Transport information

Transport regulations

ADR (road)

Not regulated

RID (rail)

Not regulated

IMDG (sea)

Not regulated

OACI/IATA (air)

Not regulated

15 - Regulatory information

Data on label in accordance with directive 67/548/CEE

Classification None

Symbol/indication of danger None

Phrases - R None

Phrases - S None

16 - Other information

Document content and format

This safety data sheet has been drafted in accordance with the rules and recommendations of Reach regulation 1907/2006/CE.

It has been prepared under the responsibility of the Kerneos Technical Marketing Manager

Version

This version supersedes the previous version. Any modifications that have been made compared to the previous version of this document are indicated by an asterisk in the margin.

Recommendations and restrictions for use

Please refer to the Product Data Sheet for detailed information relating to the intended applications.

Liability disclaimer

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