

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 1 of 7

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

1.1. Product identifier

FL-Mörtel Alporit

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

Use of the substance/mixture

Mortar for bricking of refractory bricks

1.3. Details of the supplier of the safety data sheet

Company name:	Dr. Ludwig GmbH	
	Werk Concordia Industriegebiet Rohr	
Street:	Concordiastrasse	
Place:	D-56235 Ransbach-Baumbach	
Telephone:	(++ 49) (0) 2623 - 80010	Telefax: (++) 49) (0) 2623 - 800129
e-mail:	info@dr-ludwig-gmbh.de	
Internet:	www.dr-ludwig-gmbh.de	
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de	

1.4. Emergency telephone number:

+49 (0) 6132 / 84463 (GBK GmbH)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified as hazardous according to Directive 1999/45/EC.

GHS classification

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

The product does not require a hazard warning label in accordance with EC directives.

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

Dust particles, like other inert materials, are mechanically irritating the eyes. May cause irritation of respiratory tract. Aqueous solution is alkaline.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Complex mixture based on: Kaolin, calcined.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. Ensure adequate ventilation.

After inhalation

Take affected person into fresh air. Consult a physician.

After contact with skin

In case of contact with skin wash off immediately with plenty of water.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 2 of 7

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Dust particles, like other inert materials, are mechanically irritating the eyes. May cause irritation of respiratory tract.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself does not burn. Use fire fighting measures that suit the environment and products stored

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Additional information

Knock down dust with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust. Avoid contact with eyes, skin or mucous membrane.

6.2. Environmental precautions

Do not discharge large amounts into the drains or bodies of water.

6.3. Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

6.4. Reference to other sections

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Ensure adequate ventilation, especially in confined areas. Avoid the formation of dust. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

No special precautions required.

Further information on handling

Take the usual precautions when handling with chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 3 of 7

Advice on storage compatibility

Keep away from food, drink and animal feeding stuffs. Protect from moisture.

Further information on storage conditions

No special storage conditions required.

7.3. Specific end use(s)

Refractory material, Building material, Mortar

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, inhalable dust	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
1332-58-7	Kaolin respirable dust	-	2		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls



Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protective and hygiene measures

Take the usual precautions when handling with chemicals. Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Do not breathe dust.

Eye/face protection

Tightly fitting goggles (EN 166).

Hand protection

Chemical-resistant gloves (EN 374). Safety gloves for the site (EN420, Cat. 1 or 2).

Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

Skin protection

Protective clothing

Respiratory protection

Particle filtering half mask (protection level FFP 3 or FFP3 No. D).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Colour:	according to product specification
Odour:	Odourless

Test method

pH-Value (at 20 °C):	n.a.
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Changes in the physical state

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 4 of 7

Melting point:	n.a.	
Initial boiling point and boiling range:	n.a.	
Sublimation point:	n.a.	
Flash point:	n.a.	
Flammability		n.a.
Vapour pressure:	n.a.	
Vapour density:	n.a.	
Bulk density:	n.d.	
Water solubility:	insoluble	
Solubility in other solvents	n.d.	
Partition coefficient:	n.a.	
Ignition temperature:		n.a.
Auto-ignition temperature		n.a.
Explosive properties	The product is not explosive.	
Decomposition temperature:		n.a.
Viscosity / dynamic:	n.a.	
Oxidizing properties	Product itself does not burn.	

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaktivität ist bei der bestimmungsgemäßen Verwendung mit keinen Gefahren verbunden.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.
Aqueous solution is alkaline.

10.4. Conditions to avoid

Protect from atmospheric moisture and water.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

Health injuries are not known or expected under normal use.

Acute toxicity

Based on available data, the classification criteria are not met.
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Aqueous solution is alkaline.

Irritation and corrosivity

Based on available data, the classification criteria are not met.
May cause respiratory irritation. May cause eye irritation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 5 of 7

Sensitising effects

Based on available data, the classification criteria are not met.
Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

Aspiration hazard

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

Practical experience

Other observations

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Product dust may be irritating to eyes, skin and respiratory system. Dust may render the skin dry and chappy. Aqueous solution is alkaline.

Further information

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

SECTION 12: Ecological information

12.1. Toxicity

Based on the data available the classification criteria are not met.

12.2. Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances. Inorganic product.

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Negligible

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

Further information

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not flush into surface water or sanitary sewer system. Where possible recycling is preferred to disposal. The waste code number must be agreed with the disposer / manufacturer / competent authority.

Waste disposal number of waste from residues/unused products

170101 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); concrete, bricks, tiles and ceramics; concrete

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 6 of 7

Waste disposal number of contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN):

14.1. UN number

Not applicable No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name

Not applicable No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es)

Not applicable No dangerous good in sense of this transport regulation.

14.4. Packing group

Not applicable No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

Not applicable No dangerous good in sense of this transport regulation.

14.6. Special precautions for user

Not applicable No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 0 %

National regulatory information

Water contaminating class (D): - - not water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

EC Directives: acts of the European Union, part of the secondary Union law

CAS-Nr.: Chemical Abstracts Service

TRGS 510: Technical Rules for Hazardous Substances "storage of hazardous materials in portable tanks"

TRGS 900: Technical Rules for Hazardous Substances "workplace exposure limits"

EN 374: Standard for protective gloves (gloves for protection against chemicals and micro-organisms)

EN 166: European safety standards for eye and face protection (requirements)

STOT: Specific target organ toxicity

AVV: European Waste Catalogue

VOC: Volatile organic compound

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

ADR: Agreement concerning the international carriage of Dangerous goods by Road

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

IMDG-Code: International Maritime Code for Dangerous Goods

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FL-Mörtel Alporit

Print date: 10.10.2014

Product code: 11689-0059

Page 7 of 7

ADN: sea and inland waterway transport

ICAO: International Civil Aviation Organization

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships

IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

n.a. - not applicable

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)