

Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH), 1272/2008/EC (CLP)

Printing date 24.06.2015

Version number 2

Revision: 24.06.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name vcb alginaat

Article number: xxx

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

No further relevant information available.

Application of the substance / the mixture

Impression plaster

Processing aid

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Vosschemie Benelux bvba

Mechelsesteenweg 303

B-2500 Lier

Tel: +32 (0)3 489 28 28

Fax: +32 (0)3 488 19 27

mailto: info@vosschemie-benelux.com

Information:**1.4 Emergency telephone number:** Tel.: +32 (0)70 245 245**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT RE 2 H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

GHS08

Signal word Warning**Hazard-determining components of labelling:**

cristobalite

dipotassium hexafluorotitanate

Kieselguhr, soda ash flux-calcined

Hazard statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

Precautionary statements

P260

Do not breathe dust.

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 14464-46-1	crystalalite	50 - 100%
EINECS: 238-455-4	STOT RE 2, H373	
CAS: 68855-54-9	Kieselguhr, soda ash flux-calcined	10 - <25%
EINECS: 272-489-0	STOT RE 2, H373	
CAS: 1309-48-4	magnesium oxide	3-<10%
EINECS: 215-171-9	substance with a Community workplace exposure limit	
CAS: 14808-60-7	Quartz (SiO ₂)	2.5-<3%
EINECS: 238-878-4	STOT RE 2, H373	
CAS: 16919-27-0	dipotassium hexafluorotitanate	1-<2.5%
EINECS: 240-969-9	Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1, H317; STOT SE 3, H335	
CAS: 8002-74-2	Paraffin waxes and Hydrocarbon waxes	1-<2.5%
EINECS: 232-315-6	substance with a Community workplace exposure limit	

SVHC No

Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information No special measures required.

After inhalation : Supply fresh air; consult doctor in case of symptoms.

After skin contact :

Wash with water and soap.

If skin irritation continues, consult a doctor.

After eye contact : Rinse opened eye for 15 minutes under running water. Then consult doctor.

After swallowing :

Rinse out mouth and then drink plenty of water (approx. 500 ml).

In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and / or in section 11. Further important symptoms and effects are so far not known.

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

Use fire fighting measures that suit the environment.

CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

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- . For safety reasons unsuitable extinguishing agents Water with a full water jet.
- . **5.2 Special hazards arising from the substance or mixture**
Fire can cause release of :
Carbon monoxide (CO)
Sulfur trioxide (SO₃)
Hydrogen fluoride (HF)
- . **5.3 Advice for firefighters**
- . **Protective equipment:** Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid causing dust.
Wear protective clothing.
Use breathing protection against the effects of fumes/dust/aerosol.
- . **6.2 Environmental precautions:** No special measures required.
- . **6.3 Methods and material for containment and cleaning up:**
Collect mechanically.
Dispose of contaminated material as waste according to section 13.

SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**
Prevent formation of dust.
Provide suction extractors if dust is formed.
Ensure that suitable extractors are available on processing machines
Wear breathing protection when decanting larger quantities without extractor facilities.
- . **Information about protection against explosions and fires:**
The product is not flammable
No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Keep container tightly sealed.
- . **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see section 7.
- . **8.1 Control parameters**
- . **Components with critical values that require monitoring at the workplace:**
1309-48-4 magnesium oxide
WEL (Great Britain) Long-term value: 10* 4** mg/m³
(as Mg) *inhalable dust **fume and respirable dust
- . **8002-74-2 Paraffin waxes and Hydrocarbon waxes**
WEL (Great Britain) Short-term value: 6 mg/m³
Long-term value: 2 mg/m³
- . **Additional information:** The lists that were valid during compilation were used as a basis.

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. 8.2 Exposure controls

. Personal protective equipment

. General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

Keep away from foodstuffs, beverages and food.

Avoid contact with the eyes and skin.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Do not inhale dust / smoke / mist.

. Breathing equipment:

Use breathing protection in case of insufficient ventilation.

Short term filter device: ABEK-filter

Filter P2.

. Protection of hands:

Protective gloves:

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm

. Material of gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Natural rubber, NR

Chloroprene rubber, CR

Neoprene gloves

. Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. Eye protection: Safety glasses (DIN 58211, EN 166)

. Body protection: Light weight protective clothing

SECTION 9: Physical and chemical properties

. 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form: Solid

Colour: Yellow-brown

. Smell: Characteristic

. Odour threshold: not applicable

. pH-value: not determined

. Change in condition

Melting point/Melting range: not determined

Boiling point/Boiling range: void

. Flash point: Not applicable

. Inflammability (solid, gaseous) not applicable

. Ignition temperature: not applicable

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- . **Decomposition temperature:** not determined
- . **Danger of explosion:** Product is not explosive.
- . **Critical values for explosion:**
 - Oxidising properties** none
- . **Steam pressure:** not applicable
- . **Density**
 - Settled apparent density at 20 °C** ca. 300 kg/m³
 - Evaporation rate** not applicable
- . **Solubility in / Miscibility with Water:** Slightly soluble
- . **Partition coefficient (n-octanol/water):** 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** No further relevant information available.
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** void
- . **10.6 Hazardous decomposition products:** None

SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity**
- . **LD/LC50 values that are relevant for classification:**
 - Oral LD50 > 2000 mg/kg (rat)
 - 16919-27-0 dipotassium hexafluorotitanate**
 - Oral LD50 324 mg/kg (rat)
- . **Primary irritant effect:**
- . **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- . **Serious eye damage/irritation**
 - Moderate irritation
 - Causes serious eye irritation.
- . **Respiratory or skin sensitisation**
 - May cause an allergic skin reaction.
- . **Subacute to chronic toxicity:**
 - Do not breathe dust.
 - Harmful: possible risk of irreversible effects through inhalation.
- . **Repeated dose toxicity** No further relevant information available.
- . **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** No further relevant information available.

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- . **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**
May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **Other information:**
Inorganic salts are basically not biodegradable.
Easy elimination possible by flocculation or adsorption by sludge.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Other information:** No VOC according to EC-directive 1999/13/EC
- . **Additional ecological information:**
- . **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
None
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated in adherence to official regulations.
- . **European waste catalogue**
16 03 03* inorganic wastes containing dangerous substances
- . **Uncleaned packaging:**
- . **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
Dispose of packaging according to regulations on the disposal of packagings.
- . **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- . **14.1 UN-Number**
- . **ADR, IMDG, IATA** Void
- . **14.2 UN proper shipping name**
- . **ADR, IMDG, IATA** Void

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- . 14.3 Transport hazard class(es)
- . ADR, IMDG, IATA
- . Class Void
- . 14.4 Packing group
- . ADR, IMDG, IATA Void
- . 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 regulations.
- . UN "Model Regulation": -

* SECTION 15: Regulatory information

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- . National regulations
- . Information about limitation of use: Employment restrictions concerning young persons must be observed.
- . Other regulations, limitations and prohibitive regulations
UVV "Protection against harmful mineral dust"(VBG 119) (German regulation)
The general dust exposure limit of 1.25 mg/m³, measured as alveolic part has to be observed (German TRGS 900, 2015).
- . 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Relevant phrases
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- . Department issuing data specification sheet: Product Safety and Regulatory Affairs
- . Abbreviations and acronyms:

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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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- STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
 - . **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>
 - . * **Data compared to the previous version altered.**
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