



Ve-Ka Groothandel BV

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Glaze GL-5038 GL-35038 klapproos oranje

Revision date: 01.03.2018

Product code: 5038

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

1.1. Product identifier

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

Use of the substance/mixture

Manufacture of ceramic coatings suited for firing ceramics.

1.3. Details of the supplier of the safety data sheet

Company name: ve-ka groothandel b.v.
Street: Industrieweg 7a
Place: 6621 BD Dreumel
Telephone: 0487 571667
e-mail: info@ve-ka .nl
Contact person: Babette Duller
e-mail: info@ve-ka nl
Internet: www.ve-ka.nl

1.4. Emergency telephone number:

0487 571667

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The preparation is not dangerous in the sense of Directive 1999/45/EC.

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

2.3. Other hazards

This product contains crystalline silica which may cause delayed respiratory disease (silicosis) if inhaled over a prolonged period of time.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization



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Mixture of frits (silicate glasses), mineral oxides and inorganic pigments.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
554-13-2	Lithiumcarbonate			< 10 %
	209-062-5			
	Acute Tox. 4, Eye Irrit. 2A; H302 H319			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated or saturated clothing.

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After inhalation

Take affected persons out into the fresh air.

After contact with skin

Precautionally wash off with soap and water.

After contact with eyes

In case of contact with eyes rinse thoroughly with water.

After ingestion

In the event of symptoms refer for medical treatment.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media none

known

5.2. Special hazards arising from the substance or mixture none

known

5.3. Advice for firefighters

Employ protective equipment commonly used in the event of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Provide adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

Prevent penetration into stretches of water and drainage systems.

6.3. Methods and material for containment and cleaning up

Pick up mechanically and collect in a suitable container. Avoid formation of dust.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid production of dust. Do not breathe dust. Open windows to ensure natural ventilation.

Advice on protection against fire and explosion No

special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special storage conditions are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
554-13-2	Lithiumcarbonate			
Worker DNEL, acute		dermal	systemic	100 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	30 mg/m ³

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Worker DNEL, long-term	dermal	systemic	64,3 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	10 mg/m ³
Consumer DNEL, acute	oral	systemic	19,23 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	50 mg/kg bw/day
Consumer DNEL, acute	inhalation	systemic	28,92 mg/m ³
Consumer DNEL, long-term	dermal	systemic	64,3 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	9,64 mg/m ³
Consumer DNEL, long-term	oral	systemic	6,43 mg/kg bw/day

PNEC values

CAS No	Substance	
	Environmental compartment	Value
554-13-2	Lithiumcarbonate	
	Freshwater	9 mg/l
	Marine water	0,9 mg/l
	Freshwater sediment	35,2 mg/l
	Marine sediment	3,52 mg/l
	Micro-organisms in sewage treatment plants (STP)	122,2 mg/l
	Soil	1,76 mg/kg

Additional advice on limit values

Observe general dust limit MAK (A = respirable fraction): 1,25 mg/m³.

8.2. Exposure controls

Protective and hygiene measures

Do not breathe dust. Wash hands before breaks and after work.

Eye/face protection Dust protection goggles.

Hand protection

Wear protective gloves made of the following materials: NBR (Nitrile rubber).

Respiratory protection

Fine dust-protection mask (filter P2, DIN-EN 141) if the MAK value exceeded.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Powder
Colour: pinkish red
Odour: odourless

Changes in the physical state

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Melting point: No data available

Flash point: not applicable

Water solubility: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

No decomposition if stored normally.

10.3. Possibility of hazardous reactions

none known

10.4. Conditions to avoid

No dangerous reaction known under conditions of normal use.

10.5. Incompatible materials

none known

10.6. Hazardous decomposition products

none known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
554-13-2	Lithiumcarbonate				



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	oral	LD50 mg/kg	525,00	Rat		
	dermal	LD50 mg/kg	> 2000	Ratte		
	inhalation (4 h) aerosol	LC50	2 mg/l	Rat		

Irritation and corrosivity

Powder can cause localised skin irritation in folds of the skin or under tight clothing.

Sensitising effects

none known

Practical experience

Observations relevant to classification

Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. People with silicosis are reported to have an increased cancer risk. Exposure to dust should be monitored and managed.

Further information

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
554-13-2	Lithiumcarbonate					
	Acute fish toxicity	LC50 mg/l	30,3	96 h	Oncorhynchus mykiss	
	Acute crustacea toxicity	EC50 mg/l	33,2	48 h	Daphnia magna	
	Fish toxicity	NOEC	50 mg/l	72 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC	3,5 mg/l	21 d	Daphnia magna	

12.2. Persistence and degradability

Poorly watersoluble, inorganic product. Can be mechanically precipitated to a large extent in biological sewage plants.

12.3. Bioaccumulative potential

No data available

Further information

Ecological data are not available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of at an approved landfill, in accordance with local, state and federal regulations.

SECTION 14: Transport information

Other applicable information

Not a hazardous material with respect to transportation regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Regulations/legislation specific for the substance or mixture

National regulatory information

Water hazard class (D):

-- non-hazardous to water

SECTION 16: Other information

Changes

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H319	Causes serious eye irritation.

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

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