

Ve-Ka Groothandel BV

Safety Data sheet

according the regulation(EC) NO

GlazeGL-5011 GL-35011 Azurit

Revision date: 01.03.2018

Product code: 5011

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

1.1. Product identifier

Glaze GL-5011 GL35011 Azurit.

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:	BN Duller
e-mail:	info@ve-ka.nl
Internet:	www.ve-ka.nl
1.4. Emergency telephone number:	0487 571667

SECTION 2: Hazards identification

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2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008 Hazard

categories:

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 2 Hazard

Statements:

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling copper(II)
oxide

Signal word: Warning



Pictograms:

Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container according to local regulations to :

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

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

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1317-38-0	copper(II) oxide			< 2,5 %
	215-269-1	029-016-00-6		



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	Aquatic Acute 1 (M-Factor = 100), Aquatic Chronic 1 (M-Factor = 100); H400 H410	
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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.

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.

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

no data available

SECTION 5: Firefighting measures

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

Full water jet

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.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.



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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

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When using do not eat, drink or smoke. Wash hands before breaks and after work. Do not leave children unattended while using the material. Open windows to ensure natural ventilation.

Advice on protection against fire and explosion Avoid generation of dust.

Further information on handling

Open windows to ensure natural ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels Keep container tightly closed.
Keep out of the reach of children.

Hints on joint storage

No special restrictions on substances.

Further information on storage conditions

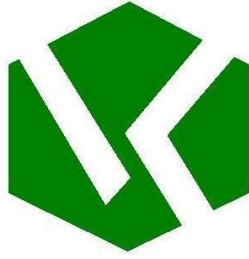
Product is water-pollutive. Observe the national and local regulations concerning handling and storage.

7.3. Specific end use(s) No

data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
1317-38-0	copper(II) oxide		
Worker DNEL, long-term	dermal	systemic	137000 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment	Value	
1317-38-0	copper(II) oxide	
Freshwater	0,0078 mg/l	
Marine water	0,0052 mg/l	
Freshwater sediment	0,087 mg/l	
Marine sediment	0,676 mg/l	
Soil	0,0065 mg/kg	

8.2. Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

Wear personal protection equipment. When using do not eat, drink or smoke. Avoid contact with skin.

Eye/face protection

If necessary: Wear tightly sealed safety glasses.

Hand protection

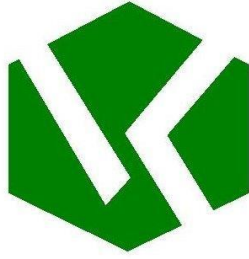
Wear protective gloves made of the following materials: NBR (Nitrile rubber).

Skin protection

Wear personal protection equipment.

Environmental exposure controls

Do not allow to enter into surface water or drains.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

Colour:

Odour: Powder odourless

pH-Value: No data available

Changes in the physical state

Melting point: No data available

Initial boiling point and boiling range: not applicable

Flash point: not applicable

Flammability Solid:

No data available

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

no data available

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 Acute, oral toxicity frits, chemicals; CAS-Nr.: 65997-18-4; EG-Nr.: 266-047-6: LD50:
> 2.000,00 mg/kg (Species: Rat)

CAS No	Chemical name



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	Exposure route	Dose	Species	Source	Method
1317-38-0	copper(II) oxide				
	oral	LD50 > 2500 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		

Irritation and corrosivity

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

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

no data available

12.3. Bioaccumulative potential

no data available

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Collect in closed and suitable containers for disposal. Prevent penetration into soil, stretches of water and drainage systems.

Contaminated packaging

Dispose of as unused product. If there is product residue in the emptied container, follow directions for handling on the container's label.

SECTION 14: Transport information



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Land transport (ADR/RID)

14.1. UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper(II) oxide)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9



Classification code: M7
Special Provisions: 274 335 375 601

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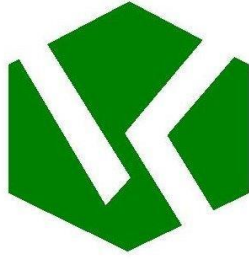
Limited quantity: 5 kg
Excepted quantity: E1
Transport category: 3
Hazard No: 90
Tunnel restriction code: -

Inland waterways transport (ADN)

14.1. UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper(II) oxide)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9



Classification code: M7



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Special Provisions: 274 335 375 601
Limited quantity: 5 kg
Excepted quantity: E1

Marine transport (IMDG) 14.1.

UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Copper(II) Oxide)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9



Special Provisions: 274, 335, 966, 967, 969
Limited quantity: 5 kg
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Copper(II) Oxide)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9



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Special Provisions: A97 A158 A179 A197
Limited quantity Passenger: 30 kg G
Passenger LQ: Y956



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Excepted quantity: E1
IATA-packing instructions - Passenger: 956
IATA-max. quantity - Passenger: 400 kg

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IATA-packing instructions - Cargo: 956
IATA-max. quantity - Cargo: 400 kg

14.5. Environmental hazards

yes

ENVIRONMENTALLY HAZARDOUS:



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): 1 - slightly 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)

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects. H411
Toxic to aquatic life with long lasting effects.

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