

SPECTRUM GLAZES EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SPECTRUM brushing glaze

Product Code 888

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

1.1 Product identifier

SPECTRUM brushing glaze

This safety data sheet pertains to the following products:

888 Cassiopeia

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

Glaze coating of ceramic products.

1.3 Details of the supplier of the safety data sheet

Spectrum Glazes Inc.

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1.4 Emergency telephone number

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Only available during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Safety precautions: not applicable

Labelling (67/548/EEC or 1999/45/EC)

R phrase(s): not applicable

S phrase(s): not applicable

SECTION 3: Composition / information on ingredients

3.1 Substances:

EcNo.	Chemical Name	CAS No.	Index No.	Percentage Composition
215-269-1	Copper Oxide Aquatic Acute 1: H400 Aquatic Chronic 3: H412	1317-38-0		<4%
215-222-5	Zinc Oxide Aquatic Acute 1: H400 Aquatic Chronic 1: H410	1314-13-2		<2.5%

3.2 Mixtures

Chemical characterization: Water based mixture of frits (silicate glasses), minerals, metal oxides, inorganic pigments, clays and suspenders.

SECTION 4: First aid measures

4.1 Description of first aid measures

After skin contact: Wash off immediately with plenty of soap and water.

After eye contact: Wash out eyes immediately for several minutes with plenty of clean water.

After ingestion: Rinse mouth with water. If you feel unwell seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

In the case of strong heating, such as fire, carbon monoxide and carbon dioxide may be released.

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear a self-contained breathing apparatus.

Additional information: Hazchem-Code: Do not allow extinguishing media to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment. Avoid contact with skin and eyes. Avoid dust formation.

6.2 Environmental precautions

Do not allow material to penetrate into soil, water bodies or drainage systems.

6.3 Methods and material for containment and cleaning up

Clean/scoop up spills immediately, and then place in appropriate containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: While using this product do not eat, drink or smoke. Wash hands before breaks and immediately after using the product. Avoid contact with skin and eyes. Avoid the formation of dust in the atmosphere. Do not breathe dust. Ensure good ventilation of the work area. Do not leave children unattended while using the product. Ensure that kiln gases emitted during firing are vented directly to the outside, if possible.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Keep container tightly closed. Store out of the reach of children. Store at room temperature and not in direct sunlight. Protect from freezing. Product is a non-combustible liquid.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

When using this product, a well-functioning exhaust ventilation of the furnace gases and ample ventilation of the workrooms are recommended.

Occupational exposure controls

Hand protection: If necessary, wear protective gloves, such as nitrile.

Eye protection: In case of splashes or airborne dusts wear protective goggles.

General protection and hygiene measures: Wash hands before breaks and immediately after using the product. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour: Various colours

Odour: Almost odourless

Odour threshold: no data available

pH value: 8-10

Melting point/melting range: no data available

Boiling temperature/boiling range: no data available

Flash point/flash point range: no data available

Vapourisation rate: no data available

Flammability: no data available

Explosive properties: no data available

Explosion limits: no data available

Vapour pressure: no data available

Vapour density: no data available

Density: no data available

Water solubility: dispersible

Partition coefficient n-octanol/water: no data available

Autoflammability: no data available

Thermal decomposition: no data available

Viscosity, dynamic: no data available

Explosive properties: no data available

Oxidizing characteristics: no data available

9.2 Other information

Additional information: no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions are known.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Avoid extremes of temperature and dusty conditions.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

In the case of strong heating, such as fire, carbon monoxide and carbon dioxide may be released.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

General remarks

The product is harmless by proper handling and according to the terms of application.

SECTION 12: Ecological information

12.1 Toxicity

Water Hazard Class: 1 = Slightly hazardous to water.

12.2. Persistence and degradability

Further details: Due to its low solubility in water the product can be almost completely mechanically separated in sewage treatment plants.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water:: 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

General information: Do not allow to enter into ground-water, surface water or drains.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:: Aqueous suspension containing ceramic materials

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging: Emptied containers can be disposed of with domestic waste.

SECTION 14: Transport information

14.6 Special precautions for user

Not a hazardous material with respect to transport regulations.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D) - not water contaminating.

SECTION 16: Other information

Further information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of issuance.

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 as a warranty or quality specification. The information relates only to the specific materials designated and may not be valid for such materials used in combination with any other materials or in any process, unless specified in the text.