

SPECTRUM GLAZES EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SPECTRUM brushing glaze

Product Code CRxx

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

1.1 Product identifier

SPECTRUM glaze crystal

This safety data sheet pertains to the following products:

CR01, CR02, CR03, CR04, CR05, CR06, CR07, CR08, CR09, CR10, CR11, CR112

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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Concord, Ontario L4K 1H8

Canada

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1.4 Emergency telephone number

Telephone: +1 (905) 695-9355

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: not applicable

3.2 Mixtures

EcNo.	Chemical Name	CAS No.	Index No.	Percentage Concentration
238-878-4	Quartz	14808-60-7		>=10-<20

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
After skin contact: Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of soap and water.
After eye contact: Remove contact lenses. Wash out eyes immediately for several minutes with plenty of clean water. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
After ingestion: Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do not give milk or alcoholic beverages. 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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media that must not be used for safety reasons

High volume water jet.

5.2 Special hazards arising from the substance or mixture

No hazardous combustion products are known.

5.3 Advice for firefighters

Protective equipment

In the event of fire, wear self-contained breathing apparatus

Additional information

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid dust formation.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

For personal protection see section 8. No special handling advice required. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion

Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage

No special restrictions on storage with other products. No materials to be especially mentioned.

Further information on storage conditions

Keep in a dry place. No decomposition if stored and applied as directed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits

Cas No.	Substance	Value type	Control parameters	Expressed As	Update	Basis
14808-60-7	Quartz (respirable crystalline silica)	TWA (respirable)	0.1 mg/m ³		2007-08-01	GB EH40

Further information

For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

8.2 Exposure controls

Occupational exposure controls

Wear suitable protective equipment..

Protective and hygiene measures

When using do not eat, drink or smoke.

Respiratory protection

No personal respiratory protective equipment normally required.

Protection of hands

For prolonged or repeated contact use protective gloves.

Protection of eyes

Safety glasses.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information

Form:	Powder
Colour:	Various colours
Odour:	Odourless
pH:	No data available
Water solubility	No data available

Changes in the physical state

Flash point °C:	Not applicable
Melting point:	No data available
Boiling point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	No data available
Burn rate:	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions., No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Dust may form explosive mixture in air.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Stable under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50	Oral	No data available
LD50	Dermal	No data available
LD50	Inhalation	No data available

Skin irritation and corrosivity

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Sensitisation

No data available

Serious eye damage/eye irritation

According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Additional toxicological information

No data available

SECTION 12: Ecological information

12.1. Toxicity

This product has no known ecotoxicological 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

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No data available, There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Recommendation**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Recommended cleansing agents

Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1. UN number

Not dangerous goods

14.2. UN proper shipping name

ADR/RID, IMDG, IATA: Not dangerous goods

14.3. Transport hazard class(es)

Not dangerous goods

14.4. Packaging group

Not dangerous goods

14.5. Environmental hazards

Marine pollutant Not dangerous goods

14.6. Special precautions for user

For personal protection see section 8.

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

Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture.

Prohibition/Restriction

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors:

Neither banned nor restricted

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):

Neither banned nor restricted

Regulation (EC) No 689/2008 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Neither banned nor restricted

Candidate List of Substances of Very High Concern for Authorisation:

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

EU. REACH - Annex XIV: List of substances subject to authorisation:

Neither banned nor restricted

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer - Annex I Controlled substances covered:

Neither banned nor restricted

Regulation (EC) No 850/2004 on persistent organic pollutants:

Neither banned nor restricted

Major Accident Hazard Legislation 96/82/EC: Update: 2003

Directive 96/82/EC does not apply

REACH: This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

CH INV: The formulation contains substances listed on the Swiss Inventory

TSCA: On TSCA Inventory

DSL: All components of this product are on the Canadian DSL.

AICS: On the inventory, or in compliance with the inventory

NZIoC: On the inventory, or in compliance with the inventory

ENCS: Not in compliance with the inventory

ISHL: Not in compliance with the inventory

KECI: On the inventory, or in compliance with the inventory

PICCS: On the inventory, or in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

15.2. Chemical safety assessment

Not applicable.

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.