

according to Regulation (EC) No. 1907/2006

		Stoneware Brush-on Glaze	
Product specification	Stoneware Glaze	Revision Date	15.10.2024
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Material number : **F021B, F035B**

Trade name : **Stoneware Brush-on Glaze**

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

Use of the Substance/Mixture : Ceramic coating suited for firing, for ceramics.

1.3 Details of the supplier of the safety data sheet

Company : Milton Bridge Ltd.
Unit 9 Trent Trading Park, Botteslow St
Hanley, Stoke-On-Trent ST1 3LY

Telephone : +441782274229

E-mail address : djb@milton-bridge.co.uk

Responsible/issuing person

1.4 Emergency telephone number

In-Country Number : +(44)-1782 274229

CHEMTREC Global Number : +(1)-703-527-3887(Call Collect)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aquatic Acute 1, H400
Very toxic to aquatic life with long lasting effects 1, H410

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

Xn; R22 – Xi;R36

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal word: Warning

Hazard Statements: H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements: P273: Avoid release to the environment. P391: Collect spillage.

2.3 Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII. This substance/mixture does not meet the vPvB crit.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature : glass/frit, silicatic material

Hazardous components

SECTION 4: FIRST AID MEASURES

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Substances with a workplace exposure limit :			
Frits ,Chemicals	65997-18-4		< 100
Zinc Oxide (FeO)	1317-38-0 215-222-5 01-2119463881-32- 0039	Aquatic Acute 1 H400 Aquatic Chronic 1: H410	< 1

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

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- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do not induce vomiting
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : None known.
Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

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Specific hazards during firefighting : In the event of fire, the product may emit harmful or toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further 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

Personal precautions : Use Personal Protective equipment
Ensure adequate ventilation
Evacuate personnel to safe areas

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

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.
Store in a dry area away from foodstuffs.

Advice on protection against fire and explosion : Normal measures for preventative fire protection.

Hygiene measures : General industrial hygiene practice.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : 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.

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

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Country	Long term exposure limit	Short term exposure limit	Notes	Source
	8h TWA	15m TWA		
Australia	1 mg/m ³	2 mg/m ³	Copper, dusts and mists (as Cu) Copper, dusts and mists (as Cu) Copper and its inorganic compounds, inhalable aerosol.	NOHSC: 1003* OHS website** OHS website**
UK	0.1 mg/m ³	0.2 mg/m ³		
Germany	mg/m ³	0.2 mg/m ³		
France	1 mg/m ³	2 mg/m ³	Copper, dusts and mists (as Cu) Copper, dusts and mists (as Cu) inhalable aerosol.	OHS website** OHS website** OHS website**
Spain	0.1 mg/m ³	0.2 mg/m ³		
Netherlands	0.1 mg/m ³	0.2 mg/m ³		

Predicted No Effect Concentrations (PNECs) and Derived No Effect Levels (DNELs)

Worker			
long term systemic effects	Dermal (external)	DNEL for dry Copper compounds	137 mg/kg bw/day
long term systemic effects	Dermal (external)	DNEL for dry slurries or Copper compounds found in solution	137 mg/kg bw/day
General population:			
long term systemic effects	Oral (internal)	DNEL based on internal Copper dose	0.041 mg Cu/kg bw/day
Environmental	Freshwater	PNEC, including a default bioavailability correction	7.8 µg dissolved Cu/L (1)
	Marine water	PNEC, including a default bioavailability correction	5.2 µg dissolved Cu/L (1)
	Sediment freshwater	PNEC	87 mg Cu/kg dry wt. (1)
	Sediment estuarine	PNEC	288 mg Cu/kg dry wt. (1)
	Sediment marine	PNEC, including a default bioavailability correction	676 mg Cu/kg dry wt. (1)
	Soil	PNEC	65 mg Cu/kg dry wt. (1)
STP	PNEC	PNEC	0.23 mg dissolved

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

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- Remarks : For prolonged or repeated contact use protective gloves.
- Skin and body protection : Protective suit
- Respiratory protection : No personal respiratory protective equipment normally required.
- Protective measures : Wear suitable protective equipment
When using do not eat, drink or smoke.

Environmental exposure controls

- General advice : No special environmental precautions required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance : Liquid
- Colour : Turquoise
- Odour : Odourless
- Odour Threshold : Not applicable
- pH : No data available
- Melting point/range : No data available
- Boiling point/boiling range : No data available
- Flash point : Not applicable
- Evaporation rate : Not applicable
- Flammability (solid, gas) : No data available
- Burning rate : No data available
- Auto-ignition temperature : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : No data available
- Relative density : No data available
- Density : No data available

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Bulk density : No data available

Solubility(ies)
Solubility in other solvents : No data available

Partition coefficient: n-
octanol/water : Not applicable

Thermal decomposition : No data available

Viscosity
Viscosity, dynamic : Not applicable

Explosive properties : No data available

9.2 Other information

Refractive index : Not applicable

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

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition
products : Stable under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant. The material is not a primary irritant but, as with any abrasive powder, it may give rise to minor irritation. Some cobalt compounds have been shown to cause dermatitis and sensitisation, but is unlikely with our product

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: May cause irritation and inflammation.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Harmful by inhalation and if swallowed.

Product:

Remarks: No data available

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

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Product:

Remarks: No data available

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Product:**

Ecotoxicology Assessment

Acute aquatic toxicity : Product is slightly water pollutive

Chronic aquatic toxicity : No data available

12.2 Persistence and degradability**Product:**

Biodegradability : Remarks: No data available

Components:

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Components:

Bioaccumulation : Remarks: No data available

12.4 Mobility in soil**Product:****Components:**Distribution among
environmental compartments : Remarks: No data available**12.5 Results of PBT and vPvB assessment****Product:**

Assessment : This substance/mixture contains no components considered

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to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Additional ecological information : Remarks: No data available
There is no data available for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Dispose of in accordance with the current Waste Disposal Regulations. (for UK special Waste Regulations 1996).

Contaminated packaging : 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 regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : No information available.

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

Ship type : N/A
Pollution category : N/A

SECTION 15: REGULATORY INFORMATION

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

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

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

: Neither banned nor restricted

: Neither banned nor restricted

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

: Neither banned nor restricted

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

: Neither banned nor restricted

REACH - List of substances subject to authorisation (Annex XIV)

: Neither banned nor restricted

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

: Neither banned nor restricted

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

: Neither banned nor restricted

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

The components of this product are reported in the following inventories:

- REACH : On the inventory, or in compliance with the inventory
- CH INV : Not in compliance with the inventory
- TSCA : Not On TSCA Inventory
- DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.
- AICS : Not in compliance with the inventory
- NZIoC : Not in compliance with the inventory
- ENCS : Not in compliance with the inventory
- ISHL : Not in compliance with the inventory
- KECI : Not in compliance with the inventory
- PICCS : Not in compliance with the inventory
- IECSC : Not in compliance with the inventory
- TW INV : Not in compliance with the inventory
- MY INV : Not in compliance with the inventory
- TR INV : Not in compliance with the inventory

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Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA), CH INV (Switzerland), MY INV (Malaysia), TR INV (Turkey), TW INV (Taiwan)

15.2 Chemical Safety Assessment

Not applicable

SECTION 16: OTHER INFORMATION

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.