according to Regulation (EC) No. 1907/2006



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# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier** 

Material number : **F007**, **F032**, **F041** 

Trade name : Stoneware Glaze pp25kg

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

Use of the : Ceramic coating suited for firing ceramics.

Substance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : Milton Bridge Ceramic Colours Ltd.

Unit 9 Trent Trading Park, Botteslow St Hanley, Stoke-On-Trent ST1 3LY

Telephone : +441782274229 Telefax : +441782281591

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 Aquatic Chronic 3, H412

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal Word: Warning

according to Regulation (EC) No. 1907/2006



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Hazard statements:

H400: Very toxic to aquatic life (Aquatic Acute 1)

H412: Harmful to aquatic life with long lasting effects (Aquatic Chronic 3)

**Precautionary statements:** 

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents and container in accordance with all local, regional, national and international

regulations.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.2 Mixtures

Chemical nature : glass/frit, silicatic material

#### **Hazardous components**

Chemical Name	CAS-No. EC-No.	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
	Registration number		
Frits ,Chemicals	65997-18-4		< 100
Copper oxide	1317-38-0 2152691	Aquatic Acute 1 H400 Aquatic Chronic 3: H412	< 7

#### SECTION 4: FIRST AID MEASURES

#### 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.

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 eve.

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.

according to Regulation (EC) No. 1907/2006



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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

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 : Avoid dust formation.

Use Personal Protective equipment

Ensure adequate ventilation

according to Regulation (EC) No. 1907/2006



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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 : Pick up and arrange disposal without creating dust.

Sweep up and shovel.

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

: Avoid dust formation. Provide appropriate exhaust ventilation

at places where dust is formed.

Hygiene measures : General industrial hygiene practice.

#### 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.

according to Regulation (EC) No. 1907/2006



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# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1 Control parameters

Country	Long term exposure limit	Short term exposure limit	Notes	Source
				NO.110.0 10.00*
Australi	1 mg/m³1		Copper, dusts and mists (as Cu)	NOHSC: 1003*
a UK	mg/m³0.1	2 mg/m³	Copper, dusts and mists (as Cu)	OHSA website**
Germany	mg/m³	0.2 mg/m³	Copper and its inorganic	OHSA website**
France 8.1 Spain Netherlands	1 mg/m³ eters 1 mg/m³ 0.1 mg/m³	2 mg/m³ 0.2 mg/m³	compounds, inhalable aerosol. Copper, dusts and mists (as Cu) Copper, dusts and mists (as Cu) inhalable aerosol.	OHSA website** OHSA website** OHSA website**

# 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 bioavailabity correction	7.8µg dissolved Cu/L (1)
	Marine water	PNEC, including a default bioavailabity correction	5.2 μg dissolved Cu/L (1)
	Sediment freshwater	PNEC	87 mg Cu/kg dry wt. (1)
	Sediment estuarine Sediment marine	PNEC PNEC, including a default bioavailabity correction	288 mg Cu/kg dry wt. (1) 676 mg Cu/kg dry wt. (1)
	Soil	PNEC	65 mg Cu/kg dry wt. (1)
	STP	PNEC	0.23 mg dissolved

# 8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

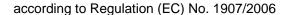
Skin and body protection : Protective suit

Respiratory protection : No personal respiratory protective equipment normally

required.

Protective measures : Wear suitable protective equipment

When using do not eat, drink or smoke.





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## **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 : powder

Colour : Grey

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

Bulk density : No data available

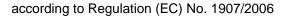
Solubility(ies)

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: Not applicable





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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

: Stable under normal conditions.

products

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

# 11.1 Information on toxicological effects

# **Acute toxicity**

**Product**:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

according to Regulation (EC) No. 1907/2006



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#### 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**

## Product:

Remarks: No data available

according to Regulation (EC) No. 1907/2006



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#### **SECTION 12: ECOLOGICAL INFORMATION**

# 12.1 Toxicity

#### **Product:**

**Ecotoxicology Assessment** 

Acute aquatic toxicity : No data available

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

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

0.1% or higher.

according to Regulation (EC) No. 1907/2006



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# 12.6 Other adverse effects

**Product:** 

Additional ecological : Remarks: No data available

information 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

according to Regulation (EC) No. 1907/2006

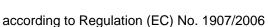


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# **SECTION 15: REGULATORY INFORMATION**

# 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	: 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 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

MILTON BRIDGE ceramic colours limited

according to Regulation (EC) No. 1907/2006

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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.