

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier**

GZ2303P Glossy White Opaque Scarva Porcelain 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 glass and ceramics.

**1.3. Details of the supplier of the safety data sheet**

Simba Materials Limited

Doncaster

Unit 7-8

Broomhouse Lane Industrial Estate

Doncaster

DN12 1EQ

United Kingdom

Tel: (01709) 770801

Doncaster@ctmpotterssupplies.co.uk

Exeter

Unit 10a

Mill Park Industrial Estate

Woodbury Salterton

EX5 1EL

United Kingdom

(01395) 233077

Admin@ctmpotterssupplies.co.uk

**1.3. Emergency telephone number**

(01709) 770801 Office Hours Only

**SECTION 2: Hazards Identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Products contain crystalline silica and therefore are classified as STOT RE2 according to criteria defined in the Regulation EC 1272/2008 and harmful according to criteria defined in Directive 67/548/EEC due to the potential to generate respirable dust. This could arise when the product is allowed to dry out. Particular attention should be given to controlling spillages.

Prolonged/repeated exposure to high concentrations of respirable free crystalline silica dust may cause delayed lung injury (silicosis). The WHO International Agency for Research on Cancer (IARC) evaluation for silica states "Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)" but additionally notes "carcinogenicity in humans was not detected in all industrial circumstances studies. Carcinogenicity may be dependent on inherent characteristics of crystalline silica or on external factors affecting its biological activity or distribution of polymorphs" (IARC Monograph, Volume 68, 1997).

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalations of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that then relative risk of lung cancer is increased in persons with silicosis (and, apparently, not employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore preventing the onset of silicosis will also reduce the cancer risk ..."(SCOEL SUM Doc 94-final, June 2003). So there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Worker protection against silicosis should be assured by respecting existing regulatory occupational exposure limits and implementing additional risk management measures where required.

Detailed reviews of the scientific evidence on the health effects of crystalline silica have been published by HSE (Health and Safety Executive UK) in the Hazard Assessment Documents EH75/4 (2002) and EH75/5 (2003). The HSE points out on its website that "Workers exposed to fine dust containing quartz are at risk of developing a chronic and possibly severely disabling lung disease known as silicosis. In addition to silicosis, there is now evidence that heavy and prolonged workplace exposure to dust containing crystalline silica can lead to an increased risk of lung cancer. The evidence suggests that an increased risk of lung cancer is likely to occur only in those workers who have developed silicosis.

**Classification according to Regulation (EC) No 1907/2006**

Not a hazardous substance or mixture. This document has been developed with the exclusive purpose of complying with the obligation of informing the supply chain according to article 32 of the Reach regulation, because this material is not classified and does not require a material safety data sheet.

## **2.2. Label Elements**

### Labelling according to Regulation (EC) No 1272/2008

This product is classified and labelled according to the CLP regulation.

#### Hazard pictograms

None required.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Ec No.	Chemical Name	CAS No.	Index No.	Concentration [%]
310-194-1	Kaolin	1332-58-7		<10%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>If inhaled</b>	If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
<b>After ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
<b>After eye contact</b>	If symptoms persist, call a physician. Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
<b>After skin contact</b>	If eye irritation persists, consult a specialist. Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

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

No further relevant information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

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.

#### Extinguishing media that must not be used for safety reasons

None known.

### 5.2. Special hazards arising from the substance or mixture

Do not allow run-off from firefighting to enter drains or water courses.

### 5.3. Advice for firefighters

#### Protective equipment

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 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.

**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.

**6.4. Reference to other sections**

Treat the recovered material as prescribed in section 13 on waste 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.

**7.3. Specific end use(s)**

Glaze coating of ceramic products

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

Cas No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1332-58-7	Kaolin	-	2	-	TWA (8 hours)	GB EH40
		-	-	-	STEL (15 min)	

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<sup>-3</sup> 8-hour TWA of inhalable dust or 4 mg.m<sup>-3</sup> 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, all the relevant limits should be used. Where dusts are listed as 'respirable' the long-term exposure should be used.

**8.2. Exposure controls**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Protective and hygiene measures**

Wash hands before breaks and immediately after using the product. When using do not eat, drink or smoke.

**Protection of hands**

For prolonged or repeated skin contact use suitable protective gloves.

**Protection of eyes**

Wear dust resistant safety goggles where there is danger of eye contact.

**Respiratory equipment**

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### General information

Form:	Powder
Colour:	White
Odour:	Odourless
Water solubility:	Insoluble
pH:	No data available

#### Changes in the physical state

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

## SECTION 10: Physical and chemical properties

### 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 dangerous reaction known under conditions of normal use.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

Not known.

## SECTION 11: Toxicological Properties

### 11.1. Information on toxicological effects

#### Acute toxicity

No information 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

No data available

#### 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 further relevant information available.

**12.4. Other adverse effects**

No further relevant information 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).

**SECTION 13: Waste disposal**

**13.1. Waste treatment methods**

**Waste key number**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**SECTION 14: Transport information**

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

ADR/RID, IMDG, IATA:

Not restricted.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packaging group**

Not applicable.

**14.5. Environmental hazards**

Marine pollutant

No.

**14.6. Special precautions for user**

Not a hazardous material with respect to these transport regulations.

**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**

The product is classified and labelled according to the CLP regulation.

### Hazard Pictograms

None

### UK regulatory references

Health and Safety at Work Act 1974.

### Statutory instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

### Guidance notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

### EU legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

## **15.2. Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

## **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 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.

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LD50: Lethal dose, 50 percent  
WEL: Workplace Exposure Limits  
TWA: Time Weighted Averages  
STEL: Short Term Exposure Limit

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

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