Simba Materials Limited t/a

GZ2302P Porcelain Glaze

CTM Potters Supplies

Safety Data Sheet GZ2302P

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

1.1. Product Identifier

GZ2302P Satin 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@ctmspotterssupplies.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

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

After ingestion
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.
If symptoms persist, call a physician.

After 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.

After skin contact
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^3	fibres/ml	Category	Origin
1332-58-7	Kaolin	- -	2 -	- -	TWA (8 hours) STEL (15 min)	GB EH40

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 dustThe 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 besubject 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 responsethat 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, afigure three times 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. Persistance 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.

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable