

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

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

#### **1.1. Product identifier**

Product name : Pastel Green Glossy Stoneware Glaze  
Product code : P3556.

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Powder for glazing of ceramic wares

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

Supplier : Pottery crafts Ltd.,  
Campbell Road,  
Stoke-on-Trent,  
Staffordshire,  
England.  
ST 4 4ET.  
Telephone : + 44 (0)1782 745000  
. Fax : + 44(0)1782 746000.  
sales@pottery crafts.co.uk

**1.4. Emergency telephone number : +44 (0)1782 745000.**

### **SECTION 2 : HAZARDS IDENTIFICATION**

#### **2.1. Classification of the substance or mixture**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

**In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.**

Serious effects after prolonged or repeated inhalation exposure: harmful (Xn, R 48/20).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### **2.2. Label elements**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS08

Signal Word :  
WARNING

Product identifiers :  
EC 238-878-4 QUARTZ ( SILICA)

Hazard statements :

H373 : May cause damage to organs through prolonged or repeated exposure (if inhaled).

Precautionary statements - Prevention :

P260 : Do not breathe dust/fume/gas/mist/vapours/spray.

P273 : Avoid release to the environment.

Precautionary statements - Response :

P314 : Get medical advice/attention if you feel unwell.

Precautionary statements - Disposal :

P501 : Dispose of contents/container to ...

#### **2.3. Other hazards**

In use, may form flammable/explosive dust-air mixture.

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemical's Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The product gives potential for generation of airborne breathable crystalline silica dust during handling and use. Prolonged inhalation of breathable dust may cause lung fibrosis.

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## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

#### Composition.

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 14808-60-7 EC: 238-878-4 REACH: Exempt  QUARTZ ( SILICA)	GHS08 Wng STOT RE 2, H373	Xn Xn;R48/20	(1)	25 <= x % < 50
CAS: 471-34-1 EC: 207-439-9 REACH: Exempt  Calcium Carbonate			[1]	10 <= x % < 25
CAS: 1332-58-7 EC: 310-194-1 REACH: Exempt  KAOLIN			[1]	2.5 <= x % < 10

#### Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

## SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

### 4.1. Description of first aid measures

#### In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.  
If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

#### In the event of swallowing :

Seek medical attention, showing the label.

### 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

No data available.

## SECTION 5 : FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Non-flammable.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.  
Do not breathe in smoke.

### 5.3. Advice for firefighters

No data available.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

#### For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Prevent any material from entering drains or waterways.

### 6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

Avoid dry sweeping and use sprayed water or ventilated vacuum cleaning system to prevent dust formation.

### 6.4. Reference to other sections

No data available.

## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Avoid handling which leads to dust formation.

#### Fire prevention :

Prevent access by unauthorised personnel.

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## Recommended equipment and procedures :

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations.
- Do not breathe in dust.
- Avoid exposure - obtain special instructions before use.

## Prohibited equipment and procedures :

- No smoking, eating or drinking in areas where the mixture is used.

## 7.2. Conditions for safe storage, including any incompatibilities

No data available.

## Packaging

Always keep in packaging made of an identical material to the original.

## 7.3. Specific end use(s)

No data available.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.05 mg/m <sup>3</sup>	-	-	-	R
471-34-1	10 mg/m <sup>3</sup>	-	-	-	-
1332-58-7	2 mg/m <sup>3</sup>	-	-	-	R
14807-96-6	2 mg/m <sup>3</sup>	-	-	-	R
1314-13-2	2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-	-	R

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
14808-60-7	-	0.1 A	-	-	-	25
1332-58-7	-	10	-	-	-	25
1314-13-2	-	5	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.3 mg/m <sup>3</sup>	-	-	-	R
471-34-1	10 mg/m <sup>3</sup>	-	-	-	TI
1332-58-7	2 mg/m <sup>3</sup>	-	-	-	R
14807-96-6	1 mg/m <sup>3</sup>	-	-	-	R

### 8.2. Exposure controls

#### Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Wear approved safety goggles. Contact lenses should not be worn when working with this product.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Impervious gloves in accordance with standard EN374

#### - Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

## - Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149.

## **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

#### **General information :**

Physical state : Powder or dust.

Colour: Pale Green

#### **Important health, safety and environmental information**

pH : Not stated.

Neutral.

Boiling point/boiling range : Not specified.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Not relevant.

Density : > 1

Water solubility : Insoluble.

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

### **9.2. Other information**

No data available.

## **SECTION 10 : STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No data available.

### **10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

### **10.3. Possibility of hazardous reactions**

No data available.

### **10.4. Conditions to avoid**

Avoid :

- formation of dusts

Dusts can form an explosive mixture with air.

### **10.5. Incompatible materials**

### **10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

## **SECTION 11 : TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

May cause severe damage to organs in the event of repeated or prolonged exposure.

#### **11.1.1. Substances**

No toxicological data available for the substances.

#### **11.1.2. Mixture**

##### **Other information**

Prolonged and/or massive exposure to breathable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine breathable particles of crystalline silica.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However it pointed out that not all industrial circumstances,

not all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation

of breathable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry).

There is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits.

### **Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

## **SECTION 12 : ECOLOGICAL INFORMATION**

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## **Ecotoxicity**

The product is not expected to be hazardous to the environment

### **12.1. Toxicity**

No information available

### **12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

### **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**

No data available.

### **12.6. Other adverse effects**

No data available.

## **SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### **13.1. Waste treatment methods**

Do not pour into drains or waterways.

#### **Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### **Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

## **SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2013).

## **SECTION 15 : REGULATORY INFORMATION**

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

#### **- Classification and labelling information included in section 2:**

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

#### **- Container information:**

No data available.

#### **- Particular provisions :**

No data available.

### **15.2. Chemical safety assessment**

No data available.

## **SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Social Dialogue on Respirable Crystalline Silica .

The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing respirable crystalline silica.

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This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006.

**In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.**

Hazard symbols :



Harmful

Contains :

EC 238-878-4                      QUARTZ ( SILICA)

Risk phrase :

R 48/20

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrase :

S 22

Do not breathe dust.

S 36

Wear suitable protective clothing.

**Title for H, EUH and R indications mentioned in section 3 :**

H302                      Harmful if swallowed.

H373                      May cause damage to organs through prolonged or repeated exposure .

R 22                      Harmful if swallowed.

R 48/20                      Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Abbreviations :**

ADR :      European agreement concerning the international carriage of dangerous goods by Road.

IMDG :     International Maritime Dangerous Goods.

IATA :     International Air Transport Association.

ICAO :     International Civil Aviation Organisation

RID :      Regulations concerning the International carriage of Dangerous goods by rail.

WGK :     Wassergefahrdungsklasse (Water Hazard Class).

GHS08 : Health hazard

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