

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

#### 1.1. Product Identifier

UG43 Signal Red Underglaze

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

##### Use of the substance/mixture

Manufacture of ceramic coatings suited for firing 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

H302 Harmful if swallowed.

H332 Harmful if inhaled. – In dry form

H335 May cause respiratory irritation – in dry form

#### 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 – in dry form.



Signal word: Warning

**Hazard Statements**

H373 - May cause damage to lungs through prolonged or repeated exposure by inhalation. In dry form.

**Precautionary Statements**

P260 - Do not breathe dust

P285 - In case of inadequate ventilation wear respiratory protection

P501 - Dispose of contents/containers in accordance with local regulations

Contains Crystalline Silica  $\geq 1\%$  Respirable when dry

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.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<u>Component</u>	<u>CAS</u>	<u>EINECS</u>	<u>% Composition</u>
Quartz	14808-60-7	2388784	<15%

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>After Inhalation</b>	Remove patient to fresh air, loosen tight clothing and seek medical advice.
<b>After Ingestion</b>	Do not induce vomiting, seek medical advice.
<b>After eye contact</b>	Rinse opened eye for several minutes with running water, seek medical advice.
<b>After skin contact</b>	Wash affected areas with 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**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

The product itself is not flammable, co-ordinate firefighting measures to the fire surroundings.

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

None known.

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

None known.

**5.3. Advice for firefighters****Protective equipment**

Employ protective equipment commonly used in the event of fire.

**Additional information**

No further relevant information available.

## SECTION 6: Accidental release measures

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

Wear personal protection equipment. Provide adequate ventilation.

### **6.2. Environmental precautions**

No special environmental precautions required.

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

Take up mechanically, placing in appropriate containers for disposal.

### **6.3. 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**

When using do not eat, drink or smoke.  
Wash hands before breaks and after work.  
Do not leave children unattended whilst using the product.  
Open windows to ensure natural ventilation.

#### **Advice on protection against fire and explosion**

No special measures required.

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

#### **Requirements for storage rooms and vessels**

Keep container tightly closed.  
Keep out of the reach of children.

#### **Requirements for storage rooms and vessels**

No special restrictions on substances.

#### **Further information on storage conditions**

No special requirements.

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

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### **8.1 Control Parameters**

#### **Exposure limits**

Cas No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
14808-60-7	Quartz (respirable crystalline silica)	-	0.1	-	TWA (8 hours)	WEL
		-	-	-	STEL (15 min)	WEL

#### **Additional information**

Silica only becomes airborne when the product is cured and powdered.

### **8.2. Exposure controls**

#### **Occupational exposure controls**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### **Protective and hygiene measures**

Keep away from foodstuffs, beverages and feed.  
Remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.

#### **Respiratory protection**

Should sufficient ventilation not be practicable, and where exposure is likely to be excessive, approved respiratory protection to CEN standards EN140, EN14387, EN143 or EN149.

#### **Protection of hands**

Protective Nitrile rubber gloves are recommended for prolonged contact.

#### **Protection of eyes**

If necessary: Wear tightly sealed safety glasses.

## **SECTION 9: Physical and chemical properties**

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

#### **General information**

Form:	Liquid (thixotropic)
Colour:	Various colours
Odour:	Almost odourless
pH:	7
Water solubility	Dispersible

#### **Changes in the physical state**

Flash point °C:	Not applicable
Melting point:	Not applicable
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.

### **10.2. Chemical stability**

No decomposition if stored normally.

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

No dangerous reaction known under conditions of normal use.

### **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**

No further relevant information available.

## **SECTION 11: Toxicological Properties**

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

#### **Acute toxicity**

LD <sub>50</sub>	Oral	>200mg/kg
LD <sub>50</sub>	Dermal	No data available
LD <sub>50</sub>	Inhalation	No data available

**Skin irritation and corrosivity**

Product can cause localised skin irritation in folds of the skin or under tight clothing.

**Sensitisation**

No further relevant information available.

**Serious eye damage/eye irritation**

Product can cause eye irritation through direct contact.

**Germ cell mutagenicity**

No further relevant information available.

**Carcinogenicity**

No further relevant information available

**Reproductive toxicity**

No further relevant information available.

**Additional toxicological information**

Prolonged or repeated exposure above Workplace Exposure Levels may cause fibrosis of the lungs.

**SECTION 12: Ecological Information****12.1. Toxicity**

This product has no known ecotoxicological effects.

**12.2. Persistence and degradability**

Not known.

**12.3. Bioaccumulative potential**

No further relevant information available.

**12.4. Mobility in soil**

No further relevant information available.

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Other adverse effects**

No further relevant information available.

**SECTION 13: Waste disposal****13.1. Waste treatment methods****Recommendation**

Dispose in accordance with current official waste disposal regulations.

**Recommended cleansing agents**

Water, if necessary together with cleansing agents

**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 – in dry form**



**Signal Word:** Warning

##### **Hazard determining components of labelling**

Quartz (Fine fraction crystalline silica)

##### **Hazard statements**

H373 - May cause damage to lungs through prolonged or repeated exposure by inhalation.

##### **Precautionary statements**

P260 - Do not breathe dust

P285 - In case of inadequate ventilation wear respiratory protection

P501 - Dispose of contents/containers in accordance with local regulations

Contains Crystalline Silica  $\geq 1\%$  Respirable when dry

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.

##### **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.

#### **Relevant Phrases**

H302 Harmful if swallowed.  
H332 Harmful if inhaled. In dry form.  
H335 May cause respiratory irritation. In dry form.

R36 Irritating to eyes  
R20/22 Harmful by inhalation and if swallowed

#### **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*