

# SAFETY DATA SHEET

According to regulation (EC) 1272/2008 & Directive 67/548/EEC



|                 |                               |
|-----------------|-------------------------------|
| Revision number |                               |
| Revision date   | 14 <sup>th</sup> January 2022 |
| Supersedes date |                               |
| SDS number      | SDS5139                       |

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

### 1.1 Product Identifier

|                        |   |
|------------------------|---|
| <b>Product name</b>    | Specialist Crafts Terracotta Earthenware Grogged Clay |
| <b>Product Code(s)</b> | M036A   |
| <b>Other Details</b>   | Ceramics  |

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

|                             |                         |
|-----------------------------|-------------------------|
| <b>Uses advised against</b> | No further information. |
|-----------------------------|-------------------------|

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

|                 |   |
|-----------------|---|
| <b>Supplier</b> | Specialist Crafts Ltd<br>Hamilton House<br>Mountain Road<br>Leicester<br>LE4 9HQ<br>United Kingdom<br><br>Email <a href="mailto:purchasing@specialistcrafts.com">purchasing@specialistcrafts.com</a><br>Telephone +44 (0)116 269 7711 |
|-----------------|---|

### 1.4 Emergency telephone number

|                            |  |
|----------------------------|--|
| <b>Emergency telephone</b> | +44 (0)116 269 7711<br>This telephone number is available during office hours only, 09:00 to 17:00 GMT, Monday to Friday, excluding UK bank holidays and weekends.<br>Language English |
|----------------------------|--|

## SECTION 2: Hazards Identification

### 2.1 Classification of the substance or mixture

|                         |  |
|-------------------------|--|
| <b>Classification</b>   | No further information.  |
| <b>Physical Hazards</b> | No further information.  |
| <b>Health Hazards</b>   | 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.<br><br>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 |

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“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.

No further information.

## Environmental Hazards

## 2.2 Label Elements

### Hazard Statements

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

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|                                      |  |
|--------------------------------------|--|
| <b>Signal Word</b>                   | WARNING STOT RE2   |
| <b>EU Specific Hazard Statements</b> | No further information.  |
| <b>Precautionary Statements</b>      | P260 - Do not breathe dust<br>P285 - In case of inadequate ventilation wear respiratory protection<br>P501 - Dispose of contents/containers in accordance with local regulations |
| <b>Other information</b>             | No further information.  |

|                      |                         |
|----------------------|-------------------------|
| 2.3 Other Hazards    |                         |
| <b>Other Hazards</b> | No further information. |

## SECTION 3: Composition/information on ingredients

|                   |                                      |
|-------------------|--------------------------------------|
| 3.1 Substances    |                                      |
| <b>Substances</b> | Porcelain Powder – CAS No. 1332-58-7 |
| 3.2 Mixtures      |                                      |
| <b>Mixtures</b>   | No further information.              |

## SECTION 4: First Aid Measures

|  |  |
|--|--|
| 4.1 Description of first aid measures  |  |
| <b>General Advice</b>  | See below.   |
| <b>Inhalation</b>  | Remove to fresh air and seek medical advice if necessary.                            |
| <b>Skin Contact</b>  | Wash with water.   |
| <b>Eye Contact</b>   | Rinse immediately with plenty of water. If irritation persists, seek medical advice. |
| <b>Ingestion</b>   | Wash out mouth, drink plenty of water. DO NOT MAKE PATIENT VOMIT.                    |
| 4.2 Most important symptoms and effects, both acute and delayed                |  |
| <b>General Advice</b>  | No further information.  |
| <b>Symptoms</b>  | No further information.  |
| <b>Effects</b>   | No further information.  |
| 4.3 Indication of any immediate medical attention and special treatment needed |  |
| <b>Notes for the doctor</b>  | No further information.  |
| <b>Specific Treatments</b>   | No further information.  |

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## SECTION 5: Fire Fighting Measures

- 5.1 Extinguishing Media  
**Suitable Extinguishing Media** No further information.  
**Unsuitable Extinguishing Media** Will not react with other materials or fire extinguishing media.
- 5.2 Specific Hazards arising from the substance or mixture  
**Specific Hazards arising from the chemical** No further information.  
**Hazardous combustion products** This material is non-combustible and does not give off any harmful gases when involved with fires.
- 5.3 Advice for fire fighters  
**Protective actions during firefighting** No further information.  
**Special protective equipment for fire fighters** No further information.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
**Personal precautions** Eye protection should be worn to prevent splashes to eyes.  
**Other information** No further information.  
**For emergency responders** No further information.
- 6.2 Environmental precautions  
**Environmental precautions** No further information.
- 6.3 Methods and material for containment and cleaning up  
**Methods of containment** See below.  
**Methods of cleaning up** Spillages of slop material should be removed with copious amounts of water to factory drainage system.  
Spillages of semi-dry or dry product should be removed by sweeping, preferably vacuum methods.
- 6.4 Reference to other sections  
**Reference to other sections** No further information.

## SECTION 7: Handling and Storage

- 7.1 Precautions for safe handling  
**Advice on safe handling** Slop material should be agitated during storage to prevent settling. Spillage should be prevented during transfer operations and precautions taken to prevent splashing to body and eyes. When handling all materials observe good standards of industrial hygiene.

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|  |   |
|--|---|
|  | Avoid swallowing, inhaling dust and eye/skin contact through the use of personal protective equipment. Where dry material has to be handled, dust masks with normal protection factor (NPF) of 10 (EN149) should be worn. |
| <b>General hygiene considerations</b>                            | No further information.   |
| 7.2 Conditions for safe storage, including and incompatibilities |   |
| <b>Storage conditions</b>  | No further information.   |
| <b>Storage Class</b>   | No further information.   |
| 7.3 Specific End Use(s)  |   |
| <b>Risk management methods</b>                                   | No further information.   |
| <b>Other information</b>   | No further information.   |

## SECTION 8: Exposure controls/personal protection

|   |  |
|---|--|
| 8.1 Control parameters                  |  |
| <b>Workplace exposure limits</b>        | WORKPLACE EXPOSURE LIMIT (WEL) – EH40:<br>Total Respirable Dust: 0.1mg/m <sup>3</sup> (UK)   |
| 8.2 Exposure controls                   |  |
| <b>Protective equipment</b>             | Other than suitable protective clothing, no special controls are needed in the case of slop or plastic materials other than cleaning any spillages before they dry out.  |
| <b>Appropriate engineering controls</b> | No further information.  |
| <b>Eye/Face Protection</b>              | Goggles may be used to prevent possible eye irritation.  |
| <b>Hand protection</b>                  | Gloves may be used if skin irritation is likely.   |
| <b>Respiratory Protection</b>           | Dry materials should be used under conditions of local exhaust ventilation to avoid inhalation of dust. Where it is not possible, an appropriate dust mask must be worn. |
| <b>Environmental Exposure Controls</b>  | No further information.  |

## SECTION 9: Physical and chemical properties

|   |  |
|---|--|
| 9.1 Information on basic physical and chemical properties |  |
| <b>Appearance</b>   | As a slurry of varying colour, as, pugged or pressed plastic clay body, as a dry powder of varying colour. |
| <b>Odour</b>  | No further information.  |
| <b>Odour threshold</b>                                    | No further information.  |
| <b>pH</b>   | 5 - 9  |
| <b>Melting/freezing point</b>                             | 1000°C min.  |
| <b>Initial boiling point and boiling range</b>            | No further information.  |
| <b>Flash point</b>  | No further information.  |
| <b>Evaporation rate</b>                                   | No further information.  |
| <b>Flammability (solid; gas)</b>                          | Not flammable.   |

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|   |                         |
|---|-------------------------|
| <b>Upper/lower flammability or explosive limits</b> | No further information. |
| <b>Vapour pressure</b>                              | No further information. |
| <b>Vapour density</b>                               | No further information. |
| <b>Relative density</b>                             | No further information. |
| <b>Solubility(ies)</b>                              | Insoluble in water      |
| <b>Partition coefficient</b>                        | No further information. |
| <b>Auto-ignition temperature</b>                    | No further information. |
| <b>Decomposition temperature</b>                    | No further information. |
| <b>Viscosity</b>                                    | No further information. |
| <b>Explosive properties</b>                         | No further information. |
| <b>Oxidising properties</b>                         | Not oxidizing.          |

|                          |                         |
|--------------------------|-------------------------|
| 9.2 Other information    |                         |
| <b>Other information</b> | No further information. |

## SECTION 10: Exposure controls/personal protection

|   |   |
|---|---|
| 10.1 Stability and Reactivity             |   |
| <b>Stability and reactivity</b>           | No known hazardous reactions or decomposition products within the sphere of its intended use as ceramic material. |
| 10.2 Chemical Stability                   |   |
| <b>Chemical Stability</b>                 | No further information.   |
| 10.3 Possibility of hazardous reactions   |   |
| <b>Possibility of hazardous reactions</b> | No further information.   |
| 10.4 Conditions to avoid                  |   |
| <b>Conditions to avoid</b>                | No further information.   |
| 10.5 Incompatible materials               |   |
| <b>Incompatible materials</b>             | No further information.   |
| 10.6 Hazardous decomposition products     |   |
| <b>Hazardous decomposition products</b>   | No further information.   |

## SECTION 11: Toxicological information

|   |                                      |
|---|--------------------------------------|
| 11.1 Information on toxicological effects |                                      |
| <b>Acute toxicity</b>                     | No further information.              |
| <b>Skin corrosion/irritation</b>          | No further information.              |
| <b>Serious eye damage/irritation</b>      | Mild irritant to skin and eyes       |
| <b>Skin sensitisation</b>                 | Mild irritant to skin and eyes       |
| <b>Respiratory sensitisation</b>          | No known toxic effects on ingestion. |

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|   |  |
|---|--|
| <b>Germ cell mutagenicity</b>   | Drying out of product will permit respirable particles of crystalline silica to become airborne with the risk of inhalation and retention in lungs. SEE SECTION 2. |
| <b>Carcinogenicity</b>  | No further information.  |
| <b>Reproductive toxicity</b>  | No further information.  |
| <b>Aspiration hazard</b>  | No further information.  |
| Specific Target Organ Toxicity (Single and Repeated Exposure)                       |  |
| <b>STOT - single exposure</b>   | No further information.  |
| <b>STOT - repeated exposure</b>   | No further information.  |
| Information on likely routes of exposure  |  |
| <b>Inhalation</b>   | No further information.  |
| <b>Skin contact</b>   | No further information.  |
| <b>Eye contact</b>  | No further information.  |
| <b>Ingestion</b>  | No further information.  |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | No further information.  |

## SECTION 12: Ecological information

|  |  |
|--|--|
| 12.1 Toxicity<br><b>Toxicity</b>   | <p>Material is extremely inert, being resistant to decomposition by weathering, biological activity and further oxidation.</p> <p>Large aquatic discharges may lead to localized adverse physical effects to aquatic organisms due to the suspension of the material in water and silting.</p> |
| 12.2 Persistence and degradability<br><b>Persistence and degradability</b>           | No further information.  |
| 12.3 Bioaccumulative potential<br><b>Bioaccumulative potential</b>                   | No further information.  |
| 12.4 Mobility in soil<br><b>Mobility in soil</b>                                     | No further information.  |
| 12.5 Results of PBT and vPvB assessment<br><b>Results of PBT and vPvB assessment</b> | No further information.  |
| 12.6 Other adverse effects<br><b>Other adverse effects</b>                           | No further information.  |

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## SECTION 13: Disposal Conditions

13.1 General Information

**General Information**

Material should be treated as industrial waste and the procedures laid down in the Duty of Care – Environmental Protection Act observed. Consult Local Authority if necessary.

13.2 Disposal Methods

**Disposal Methods**

No further information.

13.3 Waste Class

**Waste Class**

No further information.

## SECTION 14: Transport Information

**General Information**

Generally for limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

Road transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.

Sea transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.

Air transport notes refer to the Dangerous Goods List for information on any Special Provisions A46.

14.1 UN Number

**UN No. (ADR/RID)**

No special precautions. International regulation on the transport of dangerous goods (IMDG, IATA, ADR) not applicable.

**UN No. (IMDG)**

**UN No. (IATA)**

**UN No. (ADN)**

14.2 UN proper shipping name

**UN Proper shipping name (ADR/RID)**

Not classified.

**UN Proper Shipping Name (IMDG)**

**UN Proper Shipping Name (IATA)**

**UN Proper Shipping Name (ADN)**

14.3 Transport Hazard Class(es)

**ADR/RID class**

Not classified.

**ADR/RID classification code**

**ADR/RID label**

**IMDG class 4.1**

**ICAO class/division**



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|   |                 |
|---|-----------------|
| <b>ADN class</b>  |                 |
| <b>Transport labels</b>   |                 |
| 14.4 Packing Group  |                 |
| <b>ADR/RID Packing Group</b>  | Not classified. |
| <b>IMDG Packing Group</b>   |                 |
| <b>IATA Packing Group</b>   |                 |
| <b>ADN Packing Group</b>  |                 |
| 14.5 Environmental Hazards  |                 |
| <b>Environmentally hazardous substance/marine pollutant</b>                     | Not classified. |
| <b>Other Environmental Hazards</b>  |                 |
| 14.6 Special Precautions for User   |                 |
| <b>General Special Precautions</b>  | Not classified. |
| <b>EmS</b>  |                 |
| <b>ADR transport category</b>   |                 |
| <b>Emergency Action Code</b>  |                 |
| <b>Hazard Identification Number</b>   |                 |
| <b>Tunnel Restriction Code</b>  |                 |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code   |                 |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b> | Not classified. |

|   |
|---|
| <b>SECTION 15: Regulatory information</b> |
|---|

|   |  |
|---|--|
| <p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p><b>National Regulations</b></p> | <p>Classification for Supply:</p> <p>Slop Material - Warning<br/>         Pugged/Press cake Clay - Warning<br/>         Semi-dry Material - Warning<br/>         Dry Material - Warning</p> <p>References:<br/>         EH40 - Workplace Exposure Limits 2005<br/>         Guidance Notes EH44 - Dust General Principles of Protection<br/>         HS (G)53 - Respiratory Protective Equipment<br/>         COSSH ACOP41 - Pottery Production Guidance Note EH59<br/>         REACH Regulation (EC) No 1907/2006 - Annex V 7<br/>         CLP Regulation (EC) No1272/2008</p> |
| <b>EU Regulations</b>   | No further information.  |

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## 15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa.

### Chemical Safety Assessment

No further information.

## SECTION 16: Other information

### 16.1 Hazard statements in full

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of work place risk associated with product(s) used as required under any other Health and Safety Regulation.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

### 16.2 Disclaimer

**The information presented herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable to their circumstances.**

### 16.3 Revisions

**Please note the revision information on page 1 of this document, indicating the last revision date of this data, the revision number and the date this revision supersedes**

### 16.4 References

**Suppliers and manufacturers safety data sheets**

### 16.5 Abbreviations and acronyms

**Please contact us, in advance of need, should you require clarification of common abbreviations or acronyms used in this safety data sheet**

**END OF SAFETY DATA SHEET**