

POTCLAYS - SAFETY DATA SHEET

according to Regulation (EC) No. 1272/2008

Buff Earthenware/Stoneware Casting Slip 160-1205

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

1.1 Product identifier

This safety data sheet pertains to the following products:
160-1205 Buff Earthenware/Stoneware Casting Slip

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

Decoration of ceramic products.

1.3 Details of the supplier of the safety data sheet

Potclays Limited,
Brickkiln Lane, Stoke-on-Trent, Staffordshire, ST4 7BP
Tel. 01782 219816
E-mail: sales@potclays.co.uk
Internet: www.potclays.co.uk

1.4 Emergency telephone number

Telephone: +44 (1782) 219816

Only available during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Classification (EC 1272/2008)

NA

2.2 Label elements

Labelling according to EC regulation 1272/2008 (CLP)

NA

SECTION 3: Composition / information on ingredients

3.1 Substances

EcNo.	Chemical Name	CAS No.	Index No.	Percentage Composition
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3.2 Mixtures

Composition comments Only ingredients listed above are notifiable for this product. If none are shown then all ingredients are exempt.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Inhalation Unlikely route of exposure as the product does not contain volatile substances.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water.

Eye contact Rinse with water.

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

General information

N/A

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

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No specific first aid measures noted.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media

The product is non-combustible. No specific extinguishing media is needed.

5.2 Special hazards arising from the substance or mixture

Specific hazards

Non combustible. No hazardous thermal decomposition.

5.3 Advice for firefighters

Special Fire Fighting Procedures

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Please read Section 2 completely. If any environmental warnings such as; H411 or H412 are listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Usage precautions Read label before use. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place.

7.3. Specific end use(s)

Usage Description

If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient comments

Only ingredients listed in Section 3 are notifiable for this product. If none are shown then all ingredients are exempt.

8.2 Exposure controls

Engineering measures

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Respiratory equipment

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended.

Eye protection

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Use eye protection. Goggles/face shield are recommended. Contact lenses should not be worn when working with this product.

Hygiene measures

When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

Skin protection

No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	White / off-white.
Odour	Almost odourless.
Relative density	Greater than 1

9.2. Other information

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

No particular incompatibility.

10.5. Incompatible materials

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Inhalation

N/A

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

N/A

Eye contact

Particles in the eyes may cause irritation and smarting.

SECTION 12: Ecological information

Ecotoxicity

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according to Regulation (EC) No. 1272/2008

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l >1000
EC 50, 48 Hrs, Daphnia, mg/l >1000
IC 50, 72 Hrs, Algae, mg/l >1000

12.2. Persistence and degradability

Degradability

The product is not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

General information

This mineral can be disposed of as a non toxic/inactive material in approved landfill sites in accordance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

13.1. Waste treatment methods

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

SECTION 14: Transport information

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

SECTION 15: Regulatory information

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

Uk Regulatory References Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

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according to Regulation (EC) No. 1272/2008

Statutory Instruments

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

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations

Dangerous for Supply.

EU Legislation

Exempted in accordance with Annex V.7

National Regulations

Workplace Exposure Limits 2005 (EH40)

Water hazard classification

NWG

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

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.

A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. 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. 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. Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers.

Health & Safety Executive: 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.

Dioxins

The material may contain trace amounts (parts per trillion) of naturally occurring dioxin congeners (PCDD, PCDF) including TCDD. 2, 3, 7, 8. TCDD has been classified as a known human carcinogen by the IARC in Monograph 69 (1997). If this material is used for food, feed, or cosmetic purposes, it is highly recommended to check whether it fulfils the requirements of relevant legislation, in particular with regards to dioxins content.

SAFETY DATA SHEET

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

1.1. Product identifier

Product name Easycast Casting Slip
Product number P1616

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

Identified uses Ceramic casting slip designed to produce casts from plaster moulds.

1.3. Details of the supplier of the safety data sheet

Supplier Pottery crafts Ltd.,
Campbell Road,
Stoke on Trent,
Staffordshire.
Uk. ST4 4ET
Tel 44 (0)1782 745000
sales@pottery crafts.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0) 1782 745000 Office hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC : Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2 Chemical Characterisation & Comments.

There are no classified ingredients, or those present having exposure limits above the level of disclosure.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Not relevant.
Ingestion Rinse mouth thoroughly with water. Drink a few glasses of water or milk.
Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact Rinse with water. Get medical attention if any discomfort continues.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective actions during firefighting N/A

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage with a shovel and broom, or similar and reuse, if possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Usage precautions Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep in a cool place. Do not allow to freeze

7.3. Specific end use(s)**SECTION 8: Exposure Controls/personal protection****8.1. Control parameters****Occupational exposure limits**

Long-term exposure limit (8-hour TWA): 4 mg/m³ resp.dust

WEL = Workplace Exposure Limit

Ingredient comments Total Inhalable Dust 10mg/m³ - 8hr TWA Total respirable Dust 4mg/m³ - 8hr TWA

8.2. Exposure controls

Appropriate engineering Control. Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles.

Hand protection Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Hygiene measures Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³.

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties**

Appearance Thick creamy liquid.

Campbell Road - Stoke on Trent, ST4 4ET - United Kingdom

Tel: +44 (0)1782 745000 - Fax: +44 (0)1782 746000 - Web: www.potterycrafts.co.uk ;

Colour -unfired	Beige.
Odour	Odourless.
pH	pH (diluted solution): 7
Solubility(ies)	Insoluble in water.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Material will lose water by evaporation.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not relevant.
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10.4. Conditions to avoid

Conditions to avoid	Not relevant.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No data recorded.
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General information

Inhalation	Not hazardous in the form supplied. If dried and generated into a powder, excessive exposure may cause chronic lung disease.
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Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
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Skin contact	Prolonged contact may cause redness, irritation and dry skin.
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SECTION 12: Ecological Information

Ecotoxicity	The product is not expected to be hazardous to the environment.
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12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability	The product contains only inorganic substances which are not biodegradable.
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12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
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12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered.
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Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number**14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Dangerous Substances 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) (as amended).

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Product Regulations Dept

Revision date 04/01/2017

Revision 11

Supersedes date 11/06/2015

SDS number 001

SDS status Approved.

Hazard statements in full NC : Not Classified.

Disclaimer.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

SCARVA PORCELAIN CASTING SLIPS

Safety Data Sheet

according to regulation (EC) No 1907/2006



Scarva Porcelain Casting Slips

NPC001 – NPC032

Print Date 20.09.2021

Version 2
Revision date 04.03.2015

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

1.1. Product Identifier

Scarva Porcelain Casting Slips

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

Scarva Pottery Supplies

Unit 20

Scarva Road Industrial Estate

Scarva Road

Banbridge

Co Down

BT32 3QD

t: +44 (0)28 4066 9699

e: david@scarvapottery.com

w: www.scarva.com

1.3. Emergency telephone number

+44 (0)28 4066 9699

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.

H335 May cause respiratory irritation.

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



GHS07

Signal Word: Warning

Hazard Statements

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

SCARVA PORCELAIN CASTING SLIPS

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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

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	

SECTION 4: First aid measures

4.1. Description of first aid measures

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

4.2. Most important symptoms and effects, bot 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.

SCARVA PORCELAIN CASTING SLIPS

Safety Data Sheet

according to regulation (EC) No 1907/2006



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

<u>Cas No</u>	<u>Substance</u>	<u>ppm</u>	<u>mg/m³</u>	<u>fibres/ml</u>	<u>Category</u>	<u>Origin</u>
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.

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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 ₅₀	Oral	>200mg/kg
LD ₅₀	Dermal	No data available
LD ₅₀	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.

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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



GHS07

Signal Word: Warning

Hazard determining components of labelling

Quartz (Fine fraction crystalline silica)

Hazard statements

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

Precautionary statements

P101 If medical advice is required, have product container or label at hand.
P102 Keep out of the reach of children.
P103 Read label before use.
P260 Do not breathe dust/fume/gas.mist/vapours/spray
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P363 Wash contaminated clothing before reuse
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

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.

SCARVA PORCELAIN CASTING SLIPS

Safety Data Sheet

according to regulation (EC) No 1907/2006



Relevant Phrases

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

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

SAFETY DATA SHEET - CRYSTALLINE SILICA

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Products: Wet Ground – Flint (98%) Feldspars (33%) Flux Composites (40 – 60%)
MAM Sand CG & FG (99%) Clay Bodies (40 – 60%)

REACH Key Notes: Exempt in accordance with Annex V.7

Application of Substance: Ceramics

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2. HAZARDS IDENTIFICATION

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Porcelain Powder – CAS No. 1332-58-7



WARNING STOT RE2

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

4. FIRST AID MEASURES

Eyes - Rinse immediately with plenty of water. If irritation persists, seek medical advice.

Skin - Wash with water.

Ingestion - Wash out mouth, drink plenty of water. DO NOT MAKE PATIENT VOMIT.

Inhalation - Remove to fresh air and seek medical advice if necessary.

5. FIRE FIGHTING MEASURES

This material is non-combustible and does not give off any harmful gases when involved with fires and will not react with other materials or fire extinguishing media.

6. ACCIDENTAL RELEASE MEASURES

Eye protection should be worn to prevent splashes to eyes.

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.

7. HANDLING AND STORAGE

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.

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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

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.

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. Goggles may be used to prevent possible eye irritation and gloves if skin irritation is likely.

WORKPLACE EXPOSURE LIMIT (WEL) – EH40: **Total Respirable Dust: 0.1mg/m³ (UK)**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: As a slurry of varying colour, as, pugged or pressed plastic clay body, as a dry powder of varying colour.

pH: 5 - 9

Melting Point: 1000°C min

Flammability: Not flammable

Oxidising Properties: Not oxidizing

Solubility: Insoluble in water

10. STABILITY AND REACTIVITY

No known hazardous reactions or decomposition products within the sphere of its intended use as ceramic material.

11. TOXICOLOGICAL INFORMATION

Mild irritant to skin and eyes

No known toxic effects on ingestion

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.

12. ECOLOGICAL INFORMATION

Material is extremely inert, being resistant to decomposition by weathering, biological activity and further oxidation.

Large aquatic discharges may lead to localized adverse physical effects to aquatic organisms due to the suspension of the material in water and silting.

13. DISPOSAL 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.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Classification for Supply:

Slop Material	- Warning
Pugged/Press cake Clay	- Warning
Semi-dry Material	- Warning
Dry Material	- Warning

References:

EH40 - Workplace Exposure Limits 2005
Guidance Notes EH44 - Dust General Principles of Protection
HS (G)53 - Respiratory Protective Equipment
COSSH ACOP41 - Pottery Production Guidance Note EH59
REACH Regulation (EC) No 1907/2006 - Annex V 7
CLP Regulation (EC) No1272/2008

16. OTHER INFORMATION

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.

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