

SAFETY DATA SHEET
Celadon- Brushing Glaze

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

1.1. Product identifier

Product name Celadon Brushing Glaze

Product number P2849

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

Identified uses Ceramic Glaze

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 Mon-Friday 08:45 – 16:30 hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Aquatic Acute 1; Very toxic to aquatic life.

Aquatic Chronic 2 ; Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Pictograms:



Signal word

Warning.

Hazard statements

H400 ; Very toxic to aquatic life.

H411 ; Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container to an approved waste disposal company

.EUH statements

EUH ; Warning ! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not available

3.2. Mixtures

Hazardous components

Substances posing a danger to health or the environment in accordance with the regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate list.

Identifiers	Name	Concentration	Classification	Specific Concentration Limit
Index No.030-013-007 CAS no.1314-13-2 EC No. 215-222-5 Registration No. ; 01-2119463881-32-xxxx	[1] Zinc Oxide	>=2.5% <5%	Aquatic Acute 1, H400- Aquatic Chronic [1] H410	-
CAS No. ;1332-58-7 EC No.310-194-1 Registration No.; Exempt	[1] Kaolin	.+2.5% <5%	-	-
Cas No. ; 13463-67-7 EC No. ; 236-675-5 Registration No. 01-2119489379-17-xxxx	[1] Titanium Dioxide	>= 2.5% <5%		-
Cas No. 1317-38-0 EC No. 215-269-1 Registration No. 01-2119502447-44-xxxx	Copper Oxide	>= 1%<2.5%	Acute Acute 1 H400 (M=100)- Acute Chronic ;1 H410- (M=1)	-
Cas No. ; 3811-73-2 EC No. 223-296-5	Pyridine-2-thiol-1 oxide,sodium salt.	< 0.1%	Acute Toxic 4 H332- Acute Tox 4, H302- Aquatic Acute 1 H400 (M=100) ,	

(*) The complete text of the H phrases is given in section 16 of this safety data sheet.

[1] Substances with a Community workplace exposure limit (see section 8.1).

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

Long-term chronic exposure may result in injury to certain organs or tissues.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguisher powder or CO₂ .In cases of more serious fires, also alcohol resistant foam and water spray.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : liquid
Colour: grey
Odour: odourless

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: not determined

Flammability

Solid: not applicable
Gas: not applicable
Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable
Gas: not applicable
Decomposition temperature: not determined
Not oxidizing.

Oxidizing properties

Vapour pressure: not determined
Density: not determined

Solubility in other solvents

not determined
Partition coefficient: not determined
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

none

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No known hazardous decomposition products.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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CAS No Chemical name

Exposure route Dose Species Source

1314-13-2 zinc oxide

oral LD50 >15000 mg/kg Rat

inhalative (4 h) aerosol LC50 5,7 mg/l Rat

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No Chemical name

Aquatic toxicity Dose [h] | [d] Species Source

1314-13-2 zinc oxide

Acute algae toxicity ErC50 0,17 mg/l 72 h Selenastrum capricornutum

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

The product has not been tested.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

The product has not been tested.

No information available.

12.6. Other adverse effects

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Further information

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the

Contaminated packaging

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SECTION 14: Transport information

Transport following ADR rules for road transport, RID rules for railway, AND for inner waterways, IMDG for sea and ICAO/IATA for air transport.

Land Transport by road ;ADR, Transport by rail ADR.

Transport documentation ; Consignment note and written instructions.

Sea Transport by ship IMDG.

Transport documentation; Bill of lading.

Air; Transport by plane

Transport documentation ; Airway bill.

14.1. UN number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Description;

ADR; UN3082 . ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID. N,O,S.(CONTAINS ZINC OXIDE), 9,PG III,(-)

IMDG UN3082; ENVIROMENTALLY HAZARDOUS SUBSTANCE.LIQUID, (CONTAINS ZINC OXIDE) 9, PG III MARINE POLLUTENT.

ICAO/IATA ; UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE , LIQUID,N.O.S. (CONTAINS ZINC OXIDE)9, PGIII.

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards

Marine pollutant ; Yes



Dangerous for the environment.

14.6. Special precautions for user

Labels ; 9



Hazard number ; 90

ADR LQ; 5L

IMDG LQ; 5L

ICAO LQ; 30kg B

Provision concerning carriage in bulk ADR; Not authorised carriage in bulk in accordance with ADR

Transport by ship,Fem- Emergency sheets (F- Fire,S – Spills); F-A, S-F

Proceed in accordance with point 6.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The product is not transportyed in bulk.

SECTION 15: Regulatory information

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

The product is not affected by the regulation (EC) no.1005/2009 of the European Parliament of the 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

VOC content (p/p) ; 0.002%

VOC content ; 0.031 g/l

Product classification according to Annex 1 of Directive 2012/18/EU (SEVESO III) ; E2

The product is not affected by Regulation (EU) No.528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) no. 649/2012 , concerning the export and import of dangerous chemicals.

Kind of pollutant to water (Germany) :WGK 2: Hazardous to water,(Autoclassified according to the AwSV Regulations.)

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

The product contains ceramic frit subgroup 2 according;

2009 Validity Assessment of the Dossier Ceramic Frits, RCC.Ltd.

Industrial classification system for frits.

The members of the Frit Consortium have agreed on an internal classification system, in order to group the frits in different categories. The criteria followed to develop this system is based on the elements contained in the frit, the information available and the typology of the frit.

For more information please visit the official web page ; <http://fritconsortium.eu>

Complete text of the H phrases that appear in section 3.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service

Information on the TSCA Inventory)Toxic Substances Control Act USA

CAS No.	Name	State
1314-13-2	Zinc oxide	Registered 11
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Registered 11
1317-80-2	Rutile (TiO ₂)	Registered 11
3811-73-2	Pyridine-2-thio 1 oxide, sodium salt	Registered 11

Issued by Product regulations Dept

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Further Information

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)