

SAFETY DATA SHEET

Yellow Brush-on Glaze.

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

1.1. Product identifier

Product name Yellow Brush-On Glaze
Product number P2842

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 PotteryCrafts Ltd.,
Campbell Road,
Stoke-on-Trent,
Staffordshire,
UK. ST4 4ET.
Tel 44 (0)1782 745000
sales@potteryCrafts.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

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.
Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Fine Fraction Crystalline Silica CAS number: 14808-60-7	EC number: 238-878-4	10 - 20%
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Classification
STOT RE 1 - H372

Barium Carbonate CAS number: 513-77-9	EC number: 208-167-3	1 - 2.5% REACH registration number: 01-2119489177-25-xxxx
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Classification
Acute Tox. 4 - H302

ZINC OXIDE CAS number: 1314-13-2	EC number: 215-222-5	1 - 2.5% REACH registration number: 01-2119463881-32-****
M factor (Acute) = 1	M factor (Chronic) = 1	

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Formaldehyde CAS number: 50-00-0	EC number: 200-001-8	<0.1%
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Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 2 - H330

Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Carc. 2 - H351
STOT SE 3 - H335

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion Do not induce vomiting. Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
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

General information The product is considered to be a low hazard under normal conditions of use.

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

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 Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid spreading dust or contaminated materials. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

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

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. 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)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Fine Fraction Crystalline Silica

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

Barium Carbonate

Long-term exposure limit (8-hour TWA): WEL 0,5 mg/m³

Short-term exposure limit (15-minute): WEL

as Ba

ZINC OXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): 10 mg/m³

Formaldehyde

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2,5 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2,5 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments

Total respirable Dust 4mg/m³ - 8hr TWA

ZINC OXIDE (CAS: 1314-13-2)

DNEL

Workers - Inhalation; Long term, systemic effects : 5 mg/m³

Workers - Inhalation; Long term local effects: 0.5 mg/m³

Workers - Dermal; Long term systemic effects: 83 mg/kg/day

General population - Inhalation; Long term systemic effects: 2.5 mg/m³

General population - Dermal; Long term systemic effects: 83 mg/kg/day

PNEC

- Fresh water; 0.0206 mg/l
- Marine water; 0.0061 mg/l
- STP; 100 µg/l
- Sediment (Freshwater); 235.6* mg/kg, sediment dw
- Sediment (Marinewater); 113* mg/kg, sediment dw
- Soil; 106.8** mg/kg

The units given are 'mg' of Zinc. These PNECs are added value PNECs - they are to be added to the natural background levels of Zinc. In the appropriate compartments (e.g. soils, sediments). (*) A generic bioavailability factor of 0.5 is applied by default, according to the EU risk assessment (ECB 2008) (**) by default this value was multiplied by '3' to take into account "lab-to-field" differences in toxicity. (***) The PNEC for STP was derived by applying an assessment factor to the lowest relevant toxicity value (5.2 mg Zn/L). (Durka et al., 1983)

8.2. Exposure controls

Protective equipment



Appropriate engineering Controls

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: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Particulate filter, type P2.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Yellow Coloured liquid.
Odour	No characteristic odour.
pH	pH (concentrated solution): 6-8
Relative density	1-2 @ °C

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.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not relevant

10.4. Conditions to avoid

Conditions to avoid Not known.

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.

10.6. Hazardous decomposition products

Hazardous decomposition products Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No data recorded.
Acute toxicity - oral	
ATE oral (mg/kg)	20,321.24
General information	No specific health hazards known.

SECTION 12: Ecological Information

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

12.4. Mobility in soil

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.
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	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	No transport warning sign required.
14.4. Packing group	Not applicable.
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 MARPOL and the IBC Code	
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**

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	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). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment**SECTION 16: Other information**

Revision date	20/09/2016
Revision	6
Supersedes date	26/08/2015
SDS number	61061

Hazard statements in full	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H372 Causes damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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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.