

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the Preparation/Supplier reference

Trade Name **B299 Stoneware Green glaze**
Chemical name Not known
Synonyms Green Magnetite
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
Radstock, Nr. Bath. BA3 4XE
Emergency numbers Tel: 01761 411077
E-mail: sales@bathpotters.co.uk

2. Composition

Component	CAS	EINECS	% of composition
Quartz	14808-60-7	N/A	28%
Cobalt oxide	1308-06-1	N/A	0.4%
Copper oxide	1317-38-0	N/A	2.4%

All contents quoted relate to dry weight of product. In the glaze suspension state, minor amounts of organic binders/biocides and identification dyestuffs may also be added.

3. health Hazard Identification

Inhalation Excessive exposure to dust or spray may give rise to irritation of the respiratory tract, and cause symptoms of chronic lung disease. See also section 11.
Ingestion The product is of low solubility in body fluids and it is likely to be of low acute toxicity. See section 11.
Eyes May cause physical irritation and inflammation.
Skin The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation. Some cobalt compounds have been shown to cause dermatitis and sensitisation.

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical attention
Ingestion Do not induce vomiting. If the patient is conscious rinse mouth with copious amounts of water and seek medical advice if discomfort persists.
Eyes Irrigate immediately with copious amounts of water for 15 minutes paying particular attention to under the eyelid. Seek medical attention if irritation persists.
Skin Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek medical attention

5. Fire Fighting Measures

Extinguishing Media Suitable for surrounding fire conditions. Standard fire fighting techniques only are required, i.e. water, sand, carbon dioxide, chemical foam extinguishers etc.
Special Exposure hazard In the event of fire the product may emit harmful or toxic fumes. The copper present may react violently with Al, B, Mg, K, Na, Ti, Zr.
Protective equipment Self contained breathing apparatus.

6. Accidental Release Measures

Remove any dry materials either by a vacuum cleaner fitted with an efficient filter or by wet sweeping to avoid dust. Absorb slop spillage in an inert material such as sand, and rinse tract amounts with water into drains (provided local effluent control limits are complied with). Store collected waste in a suitable container before disposal.

Leaks & Spills

Protective equipment Respiratory protective equipment.

7. Handling & Storage

Handling Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material.

Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 .latest edition)

Storage Store in a secure container in normal dry conditions at room temperature, and away from direct sunlight.

8. Exposure Control/Personal protective Equipment

Engineering controls Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended

Personal protective equipment Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards pr EN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact. Goggles (to BS2092) are recommended if eye contact is possible.

9. Physical & Chemical properties

Appearance & Odour Fine powder or aqueous suspension, odourless

Flash point (°C) Not applicable

Flammability Inflammable

Explosive properties Non-explosive

Oxidising properties Non-oxidising

Specific gravity 2.5 —3 (dry product)

Solubility Not applicable

Melting point (°C) Not available

10. Stability & Reactivity

Chemical stability The material is stable under normal conditions.

Conditions/materials to avoid Cobalt is soluble in acids. See also section 5.

Hazardous decomposition products The copper present reacts violently with Acetylides, Azides, Phospham and Hydrazine.

Hazardous polymerisation products None

11. Toxicology Information

Acute toxicology Likely to be of low toxicity

Health effects Chronic lung damage (silicosis) may result from repeated excessive inhalation of crystalline silica present in raw materials.

Prolonged or repeated exposure to cobalt compounds, above Occupational Exposure Standards, may cause Aggravation of asthma, sensitisation, cancer, blood disorders and damage to the heart, thyroid and pancreas.

Prolonged or repeated exposure to copper oxide, above Occupational Exposure Standards, may cause irritation of the respiratory tract and mucous membranes, producing a metallic taste in the mouth, nausea, metal fume fever, in some cases discolouration of the skin and hair, and give rise to symptoms like influenza. Copper oxide is an essential trace element. however if ingested in large quantities it is harmful and may cause sickness and diarrhoea. Repeated excessive ingestion may cause copper compounds to act with exogenous agents or sub-clinical metabolic disorders to produce, in some workers, an industrially acquired atypical Wilson's disease or chronic liver damage.

Due to the very small quantities of metal oxides present in the product the risk of suffering from these types of poisoning are small, but the product still needs to be handled with care.

12. Ecological information

Ecotoxicity Copper and it's salts are highly poisonous to maritime invertebrates and seaweed.

Persistence No specific test data available.

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK .Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. **Transport Information**

UN/SI No.		Not classified
UN Class		Not classified
Packing group		Not classified
Road	UK	Not classified
ADR		Not classified
Sca	IMO	Not classified
Air	ICAO	Not classified

15. **Regulatory information**

EC Supply Labelling	Harmful X~		
R-Phrases	R20/22 Harmful by inhalation and if swallowed. R43 May cause sensitisation by skin contact. R48 Danger of cumulative effects.		
S-Phrases	S13 Keep away from food, drink and animal feeding stuffs. S20/21 When using do not eat, drink or smoke. S22/23 Do not breath dust or spray. S28 After contact with skin, wash immediately with plenty of soap and water. S38 In case of insufficient ventilation wear suitable respiratory equipment.		
UK Occupational exposure limits*	Mg/m ³ 8 hr TWA	% in product	
Crystalline Silica (respirable)	0.40	28%	
Cobalt compounds (Co ₃ O ₄)	0.10	0.4%A	
Copper oxide (as Cu)	1.0	2.4%	

* Refer to HSE Guidance note EH40

In accordance with the H.S.E. Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.

16. **Other information**

General industrial hygiene practices are recommended when handling and using this product.

COSHI-! ACOP:	H.S.C. Approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994.
CHIP 96:	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996.
CHIP SDS ACOP:	H.S.C. Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations.
HSE EH40:	HSE Guidance note EH40 on Occupational Exposure Limits, to be used in conjunction with the COSHIT regulations.

The information contained in this safety data sheet has been prepared using the best available information. However, in view of technical developments this may alter.

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Due to the many factors outside our control when using this product we cannot accept liability for any injury, accident, loss or damage caused through its use.

25.08.21