

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and of the company / undertaking

1.1 Identification of the substance or preparation

Trade name **B 186 UNDERGLAZE COLOUR MANDARIN**
Synonyms None
Variant 0001

1.2 Company / undertaking identification

Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
Radstock, Nr. Bath. BA3 4XE
Emergency numbers Tel: 01761 411077
Fax: 01761 414115
Internet: coshh@bathpotters.demon.co.uk

2 Composition / information on ingredients

2.2 Composition / information (preparation)

2.2.1 Composition

CAS—No.	Common name
102184-95-2	ZrSiO ₄ , cadmium pigment included
65997-18-4	Frits Chemicals
14-808-60-7	Quartz

2.2.2 Hazardous ingredients (theoretical 1>' calculated) Weight %

Weight %	CAS—No.	Common name Symbol R-Sentence
5,0— 10,0	7439-92-1	Lead in compounds and Frits T 61-20/22-33
0,0< 1,0	7440-43-9	Cadmium(compounds) Xn 20/21/22

3. Hazards identification

Harmful by inhalation, in contact with skin and if swallowed
Danger of cumulative effects.
May cause harm to unborn child.

4. First aid measures

4.1 General remarks

In case of poisoning, refer to sections 2.1.2 or 2.2.2 for information on hazardous ingredients. -
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). -

4.2 Inhalation

Bring affected persons out of danger area. Keep warm in a comfortable position and cover with blanket. -

4.3 Skin contact

With continuous skin irritation, consult doctor.

4.4 Eye contact

Rinse thoroughly immediately for at least 5 minutes keeping eyelid open.

4.5 Ingestion

Have patient rinse out mouth with water. Supply with medical care.

4- .6 Instructions for physician

Therapy (treatment and/or prevention) to be given in accordance with the content of low—toxicity substances (see 2.1.2 or 2.2.2).

5. **Fire-fighting measures**

- 5.1 Suitable extinguishing media :
All quenching agents suitable.
 - 5.2 Extinguishing media which must not be used for- safety reasons
 - 5.3 Special exposure hazards arising from the substances or preparation itself, combustion products, resulting gases :
Do not inhale explosive gases or smoke fumes
 - 5.4- Special protective equipment for firefighters :
Usual measures for chemical fires.
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6 **Accidental release measures**

- 6.1 Personal precautions
Do not breath dust.
Keep persons at a distance and stay on the weather side.
 - 6.2 Environmental precautions

Dispose of a waste requiring special control in accordance with the legal regulations issued by the appropriate local and national authorities.
 - 6.3 Methods of cleaning up
Absorb mechanically and collect in a suitable container.
 - 6.4 Further information
Avoid formation of dust.
In case of accident or if you feel -unwell, seek, medical advice immediately (show the label where possible).
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7. **Handling and storage**

- 7.1 Handling
The product should only handled by trained personnel
Avoid formation of dust; suction off objects if necessary.
Keep out of reach of children.
Do not breathe dust.
Avoid exposure — obtain special instructions before use.
Details for lead compounds:
The product should only be handled by trained personnel.
Details- for cadmium compounds:
The product should only be handled by trained personnel.
 - 7.2 Storage
Keep container dry and tightly sealed - even empties.
Store under lock and key or only allow access to technical experts or persons under their authority. S
The product is slightly waterdangerring.
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8. **Exposure controls / personals protection**

- 8.1 Additional instructions for technical installation. When processing the product, the air in the workplace should~ be regularly monitored and employees exposed to the product should be given a regular medical check—up.
- 8 2 Ingredients with threshold limit values

Specific information referring to lead:
In accordance with current information a risk of embryonic S damage is likely, in pregnant women. Damage cannot be excluded even when the special limit values of TLV tolerance value are. Observed.
Cadmium compounds - specific information (United Kingdom) Maximum Exposure Limit (MEL): .0.05 mg/m3 8—hour TWA (long— term) – For the purposes of industrial medical surveillance, the value of 15 micrograms/1 in whole blood or urine is

recommended in Germany as a maximum value.

Values of maximum admissible concentration, from 1994- :MAK)

ml/m³ 0,1000 mg/m³ refer to
Lead in compounds and Frits

ml/m³ 4,0000 mg/m³ refer to
Silicon dioxide

ml/m³ 5,0000 mg/m³ refer to
zirconium

Values of maximum admissible concentration, from -1993 TRI(<)

ml/m³- mg/m³ refer to
Cadmium (compounds)

8.3 Personal protection

8.3.1 General protection

Wash face/hands before break, and at end of work.

Avoid exposure - obtain special instructions before use.

8.3.2 Respiratory protection:

If maximum admissible concentration value at the workplace is exceeded, apply ref. to BS 2091 Dust:B.

8.3.3 Eye protection

The usual precautionary measures for dealing with chemical should be observed.

8.3.4 Skin protection

no particular protective equipment required, if no further advices are following.

8.3.5 Hand protection

No particular protective equipment required, if no further advices are following.

9. Physical and chemical properties

9.1 Appearance

9.1.1 Physical state: Solid

9.1.2 Colour: YELLOW

9.1.3 Odour : Non applicable

9.2 Data relevant to safety

9.3 Other data

10. Stability and reactivity

10.1 Conditions to avoid

No dangerous reactions are known to occur with correct handling and storage.

10.2 Materials to avoid

(If applicable, information referring to individual components of the product is given below) -

10.3 Hazardous decomposition products:

(If applicable, information referring to individual components of the product is given below) -

10.4 Further information

11. Toxicological information

11.1 Immediate effects, Data for substance

(or effects of certain components in preparations):

Specific information for this product is not available

(if applicable, information for components is given ,below)

11.2 Chronic effects from short— and long—time exposure:

Specific information for this product is not available

(if applicable, information for components is given below).

Danger of cumulative effects.

May cause harm to unborn child.

11.3 Human
To date handling this product has not been known to cause any detrimental effects.

11.4- Further information

12. Ecological information

12.1 Data for elimination (persistence and degradability) Mechanically separable in water treatment plants.

12.2 Behavior in environmental compartments
Slightly waterdangering. Do not allow run off to enter- storm drains.

12.3 Ecological effects
Product not investigated.

12.4 Further information

13. Disposal considerations

Look for Community provisions relating to waste. National or regional provisions may be in force.

13.1 Product (substance or preparation)
Surface waste site for specially controlled waste or
mono waste site.

Waste No. 31433

Waste name Glass or ceramic waste with harmful -contaminations.

13.2 Uncleaned contaminated packaging

Waste No. 18715

Waste name Packing material with harmful contaminations or
residues, mainly anorganic.

14. Transport information

Dangerous goods regulations
RID/ADR/IMDG-Code/ICAO--TI.

14.1 Land transport ADR / RID (interstate / intrastate)
Not restricted.

14.2 Inland navigation ADN
For inland navigation consultation necessary !

14.3 Sea, transport IMDG'
Not restricted.

14.4 Air transport ICAO—TI and IATA—DGR
Not restricted.

14 .5 Transport / further instructions

Water endangering class (Germany) 1

RQ (Reportable (quantity— USA)

15. Regulatory information

15.1 Information on the label according to the Directives of EEC

15.1.1 Symbol(s) and indication(s) of danger:

T Toxic

15.1.2 Hazardous ingredient(s) for labelling, containing:
Cadmium (compounds;

Lead in compounds and frits

- 15.1.3 R—phrases:
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
33 Danger of cumulative effects.
61- May cause harm to unborn child.
- 15.1.4 S-phrases:
2 Keep out of reach of children.
22 Do not breathe dust.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) Avoid exposure — obtain special instruction before use
- 15.2 Any other national measures that may be relevant (ref. Annex II Directive 88/379/EEC)
The safety data sheet is produced considering new directives of EEC.
Missing or differing labelling may occur during transitional stage until all countries take over these regulations in their national jurisdiction.
Lead—containing preparation:
“Containing lead. Do not use for painting articles which can be chewed or sucked by children.”
Information with regard to cadmium and its compounds:
In the opinion of the German commission (TRGS 500), the substances have been proved to be carcinogenic in the form of respirable dusts/aerosols (biologically available) and were classified in section III A2.
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16. Other information

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

COSHH 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 COSHH 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.

August 2000-08-18