

# CTM POTTERS SUPPLIES

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name : Lead Bisilicate Frit

Company : CTM Potters Supplies  
Unit 10A, Millpark Industrial Estate  
White Cross Road  
Woodbury Salterton  
Nr. Exeter EX5 1EI

Telephone : 01395-233-077  
Fax : 01395-233-905

E-mail address : [admin@ctmpotterssupplies](mailto:admin@ctmpotterssupplies)

Use of the Substance/Preparation : Ceramic coating suited for firing, for glass and ceramics.

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### 2. HAZARDS IDENTIFICATION

May cause harm to the unborn child.  
Also harmful by inhalation and if swallowed.  
Danger of cumulative effects.  
Possible risk of impaired fertility.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature:

Product contains: glass/frit

#### Information on ingredients/Hazardous components:

<b>Lead oxide in glasses/pigments</b>	concentration	50% ~ 100%
CAS-No. 1317-36-8	EC-No.	215-267-0
Symbol(s) T	R-phrased(s)	R61, R62, R20/22, R33

See chapter 16 for text of risk phrases.

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### 4. FIRST AID MEASURES

#### General advice:

Remove contaminated or saturated clothing.  
Bring affected person out of danger area. Place on side in stable position if unconscious.  
Employ mouth-to-mouth resuscitation if breathing ceases.

**Inhalation:**

Take affected persons out into the fresh air. In case of discomfort consult doctor immediately.

**Skin Contact:**

Wash off immediately with soap and plenty of water.  
Remove contaminated or saturated clothing.

**Eye contact:**

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.

**Ingestion:**

Make affected person vomit but only if he is fully conscious. Have patient rinse out mouth with water.  
Have patient drink plenty of water in small sips.

Call a physician immediately.

**Notes to physician:**

No own experience available.

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**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

The product itself does not burn.

**Extinguishing media which shall not be used for safety reasons:**

None known.

**Specific hazards during fire fighting:**

None known.

**Special protective equipment for fire-fighters:**

Employ protective equipment commonly used in the event of fire.

**Further information:**

Water used to extinguish fire should not enter drainage systems, soil, or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Wear personal protective equipment; see section 8.  
Avoid dust formation.

**Environmental precautions:**

Prevent penetration into soil, stretches of water and drainage systems.

**Methods for cleaning up:**

Pick up mechanically and collect in a suitable container. Avoid formation of dust.

**Additional advice:**

Dispose of contaminated material as waste in accordance with section 13.

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**7. HANDLING AND STORAGE****Handling****Safe handling advice:**

The product contains substances, which may be dangerous to reproduction, category 3. Comply with employment limitations for youths, pregnant women and nursing mothers.

Avoid production of dust. Do not breathe dust.

The product should only be handled by trained personnel.

Store substances and preparations classified as T or T+ under lock and key or only allow access to technical experts or persons under their authority.

**Advice on protection against fire and explosion:**

No data available.

**Storage****Requirements for storage areas and containers:**

Keep containers tightly closed in a dry, cool and well-ventilated place.

No special storage conditions required.

**Further information:**

Product is water-pollutive. Observe the national and local regulations concerning handling and storage.

**Advice on common storage:**

Keep away from food, drink and animal feeding stuffs.

Keep away from tobacco products.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters****Lead oxide in glasses/pigments**

CAS-No.	1317-36-8	EC-No.	215-267-0
Control parameters	0,1000 mg/m <sup>3</sup> (total dust)	related to as Pb	AGW (Germany)

**Engineering measures:**

If possible, use material transfer/filling, metering and blending plants that are closed.

Eventual aspiration in case of dusts. Technical protection measures have always priority over personal protection equipment.

**Occupational exposure controls****Personal protective equipment****Respiratory protection:**

If workplace exposure limit is exceeded apply Respirator with P3 particle filter.

**Hand protection:**

Wear protective gloves made of the following materials: nitrile rubber.

**Eye protection:**

Wear basket-shaped glasses or safety goggles with side-shields.

**Skin and body protection:**

Safety shoes.

**Hygiene measures:**

When using do not smoke.

When using do not eat or drink.

Wash hands before breaks and immediately after handling the product.

Keep working clothes separately.

Do not breathe dust or spray mist.

**Protective measures:**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

Form	powder
Colour	white

**Safety data:**

Physical state	solid
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**10. STABILITY AND REACTIVITY**

Conditions to avoid:	No dangerous reaction known under conditions of normal use.
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Materials to avoid:	none known.
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Hazardous decomposition products:	none known.
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**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:	Harmful if swallowed. Harmful by inhalation.
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Chronic toxicity/Subacute toxicity:	Possible risk of impaired fertility. May cause harm to the unborn child.
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Skin irritation:	Powder can cause localised skin irritation in folds of the skin or under tight clothing.
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Eye irritation:	not known.
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Sensitisation:	not known.
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No results of animal experiments with the product available.

**Acute oral toxicity:**

Frits, chemicals (WGK2)

LD50 rat: > 2.000,00 mg/kg

**12. ECOLOGICAL INFORMATION****Persistence and degradability:**

Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances.

Physico-chemical removability: no data available.

**Ecotoxicity effects:**

Specific information for this product is not available.

**Toxicity to fish:**

Frits, chemicals (WGK 2) LC50 Fish: > 1.000,00 mg/l / 96 h

**Toxicity to daphnia:**

Frits, chemicals (WGK 2) EC50 Daphnia: > 100,00 mg/l / 48 h

**Toxicity to algae:**

Frits, chemicals (WGK2) IC50 algae: > 1.000,00 mg/l / 72 h

### 13. DISPOSAL CONSIDERATIONS

**Product:**

Do not contaminate ponds, waterways or ditches with chemical or used container.  
In agreement with the waste code must be determined regional waste disposal authority or company.  
Dispose of as special waste in compliance with local and national regulations.

**Uncleaned packaging:**

If there is product residue in the emptied container, follow directions for handling on the container's label.  
Dispose of as unused product.

### 14. TRANSPORT INFORMATION

**Further information:**

Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

**Labelling according to EC Directives:**

Statutory basis/list 1999/45/EC

**Hazard-defining component(s):**

Lead oxide in glasses/pigments

Symbol(s)	T	Toxic
R-pharse(s)	R61 R20/22 R33 R62	May cause harm to the unborn child. Also harmful by inhalation and if swallowed. Danger of cumulative effects. Possible risk of impaired fertility.
S-pharse(s)	S53 S22 S35  S36/37 S45	Avoid exposure – obtain special instructions before use. Do not breathe dust. This material and its container must be disposed of in a safe way. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Exceptional labelling of special preparations: Restricted to professional users.

**Major Accident Hazard**    96/82/EC    Update: 2003  
**Legislation**                listing:                Directive 96/82/EC does not apply.

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## 16. OTHER INFORMATION

### Risk phrase (R phrase) texts

#### Lead oxide in glasses/pigments

R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.
R20/22	Also harmful by inhalation and if swallowed.
R33	Danger of cumulative effects.

### Further information:

Data sheet producing department: CTM Potters Supplies  
Telephone: 01395-233-077

### Disclaimer:

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.