

**Safety Data Sheets of  
Ceramic Frits  
TR 1132 GLAZE**

**Revision Date**  
24-04-2001

Ferro (Portugal), Lda  
Apt. 10 - Castanheira do Ribatejo  
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TRANSPARENT GLAZE

**10. Stability and reactivity**

Stability : Stable.  
Reactivity : Not reactive.

**11. Toxicological information**

Acute toxicity : No negative effects detected by us. MAK value : 10 mg/m3  
Chronic toxicity: Danger of cumulative effects

Glazes are composed of mixtures of ceramic frits and natural raw materials. Ceramic frits are smelting to high temperature in a silicate base. There is no correspondence between finished product properties and frit raw materials properties.

**12. Ecological information**

Harmful for the environment

**13. Disposal considerations**

Disposal method: Follow governmental instructions.

**14. Transport Information**

Classification: ---	Product not submitted to 6.1 class
UN Number: ---	SEA: ---
LAND: ---	AIR: ---

**15. Regulatory information**

**T- TOXIC**

R20/22 - Harmful by inhalation and if swallowed  
R 33 - Danger of cumulative effects  
R 61 - May cause harm to the unborn child  
R62 - Possible risk of impaired fertility

Label: F 28  
Contains Lead

S 45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S 53 - Avoid exposure - obtain special instructions before use

Restricted to professional users. Attention - Avoid exposure - obtain special instructions before use.

**16. Other information**

The information contained herein is based on the present state of knowledge and is intended to describe our products from the point of view of health, safety and environmental requirements. It should not, therefore, be construed as a guarantee for specific properties.

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

**2. Composition/information on ingredients**

Glaze, bounded as a silicate

PbO (%) : 30.7	PbO soluble in 0.07M HCl: <5%	CAS-Number : 65997-17-3
BaO (%) : ---	BaO soluble in 0.07M HCl: ---	EINECS Number : 266-047-6
CdO (%) : ---		

**3. Hazards identification**

Eyes:	Eyes may be irritated by nuisance dust.
Skin:	Skin may be irritated by nuisance dust.
Short-Term exposure:	Dust from the product may cause irritation to respiratory system.
Long-Term exposure:	Prolonged exposure of the dust may lead to pulmonary problems. Danger of cumulative effects

**4. First aid measures**

Eyes:	Rinse with plenty of water.
Inhalation:	Remove to fresh air.
Skin:	Wash off contamination with soap and water.
Ingestion:	Seek medical advice.

**5. Fire-fighting measures**

In case of fire: No special measures needed.

**6. Accidental release measures**

Cleaning/Disposal :	Scoop or vacuum into a receptacle for disposal.
Procedure:	Uncontaminated material may be scooped for use.

**7. Handling and storage**

Storage:	Keep dry, stored away from food.
Handling:	Use the product in well ventilated areas, avoiding dust, in order to keep dust concentration below MAK value.

**8. Exposure controls/personal protection**

Eyes:	Chemical goggles.
Hands:	Normal working gloves.
Respiratory:	If dust concentration exceeds the MAK-value, use approved respirator as necessary. Do not smoke, drink or eat while working with chemicals.

**9. Physical and chemical properties**

Aggregation:	powder	Colour:	Branco
Odour:	odourless	pH:	not applicable
Boiling Point:	not applicable	Melting Point:	>500 °C
Autoignition:	not applicable	Flammability:	not applicable
Oxidation:	not applicable	Explosivity:	not applicable
Density:	gr/cm3	Vapour Pressure:	not applicable
Solubility (others):	negligeable	Solubility (water):	negligeable