

# CASTREE KILNS

## SAFETY DATA SHEET

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

Product information

Trade name : Lead Sesquisilicate Frit

Company : CASTREE KILNS

Unit 5, Wembley Place

St Clears

SA33 4LR

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

### 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature:

Product contains: glass/frit

silicatic material

Information on ingredients/Hazardous components:

Lead oxide in glasses/pigments concentration 50% ~ 100%

CAS-No. 1317-36-8 EC-No. 215-267-0

Symbol(s) T R-phrases R61, R62, R20/22, R33

See chapter 16 for text of risk phrases.

#### **4. FIRST AID MEASURES**

General advice: Bring affected person out of danger area. Place on side in stable position if unconscious.

Employ mouth-to-mouth resuscitation if breathing ceases.

Remove contaminated or saturated clothing.

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

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

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.

#### **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.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: Ensure adequate ventilation.

Avoid dust formation.

Evacuate personnel to safe areas.

Wear personal protective equipment; see section 8.

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.

## **7. HANDLING AND STORAGE**

Handling

Safe handling advice:

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.

The product contains substances, which are dangerous to reproduction. 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.

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

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 tobacco products.

Keep away from food, drink and animal feeding stuffs.

## **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> related to: as Pb AGW (Germany)

(total dust)

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. Page 4 of 6

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

Skin and body protection: Safety shoes.

Hygiene measures: When using do not eat or drink. Keep working clothes separately. When using do not smoke. Do not breathe dust or spray mist. Wash hands before breaks and immediately after handling the product.

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

## **10. STABILITY AND REACTIVITY**

Conditions to avoid : No dangerous reaction known under conditions of normal use.

Materials to avoid: none known.

Hazardous decomposition products: none known.

## **11. TOXICOLOGICAL INFORMATION**

Acute toxicity: Harmful if swallowed. Harmful by inhalation.

Chronic toxicity/Subacute Possible risk of impaired fertility.

toxicity: May cause harm to the unborn child.

Skin irritation: Powder can cause localised skin irritation in folds of the skin or under tight clothing.

Eye irritation: not known.

Sensitisation: not known.

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: 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.

Do not contaminate ponds, waterways or ditches with chemical or used container.

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-phrase(s) R61 May cause harm to the unborn child.

R20/22 Also harmful by inhalation and if swallowed.

R33 Danger of cumulative effects.

R62 Possible risk of impaired fertility.

S-phrase(s) S53 Avoid exposure – obtain special instructions before use.

S22 Do not breathe dust.

S35 This material and its container must be disposed of in a safe way.

S36/37 Wear suitable protective clothing and gloves.

S45 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.

#### **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: CASTREE KILNS

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

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