

CASTREE KILNS

SAFETY DATA SHEET

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

Product information

Trade name : High Alkaline Frit

Synonyms : Frit Alkaline 'T'

Company : CASTREE KILNS

Unit 5

Wembley Place

St Clears

SA33 4LR

Telephone : 01994 232760

Fax : 01994 227909

E-mail address : info@castreekilns.co.uk

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

2. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature:

Product contains: glass/frit

4. FIRST AID MEASURES

General advice:

Remove contaminated or saturated clothing.

Inhalation:

Take affected persons out into the fresh air.

Skin Contact:

Wash with water and soap as a precaution.

Eye contact:

Immediately flush eye(s) with plenty of water.

Ingestion: If symptoms persist, call a physician.

Notes to physician:

No own experience available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid dust formation.

Wear personal protective equipment; see section 8.

Ensure adequate ventilation.

Environmental precautions:

Try to prevent the material from entering drains or water courses.

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:

Avoid production of dust. Do not breathe dust.

No particular measures required if used correctly. Ensure there is good room ventilation.

Advice on protection against fire and explosion:

No special protective measures against fire required.

Storage

Requirements for storage areas and containers:

No special storage conditions required.

Advice on common storage: No special restrictions on storage with other products.

German storage class:

13 (Classification by producer in accordance with VCI scheme)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Other information:

Contains no substances with occupational exposure limit values.

Engineering measures:

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

Occupational exposure controls

Personal protective equipment

Respiratory protection:

If occurs respirable dust: Dust mask with P1 particle filter.

Hand protection: Recommended suitable protective gloves e.g. nitrile-butadiene rubber (NBR) gloves.

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

Skin and body protection: Safety shoes.

Hygiene measures: General industrial hygiene practice.

Protective measures: No particular measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form powder

Colour off-white

Odour odourless

Safety data:

Physical state: solid

Density: 2,6 g/cm³ (20 °C)

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

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

May cause eye/skin irritation.

Eye irritation: Product dust may be irritating to eyes, skin and respiratory system.

Sensitisation: not known.

No results of animal experiments with the product available.

Acute oral toxicity: Frits, chemicals 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 LC50 Fish: > 1.000,00 mg/l / 96 h

Toxicity to daphnia: Frits, chemicals EC50 Daphnia: > 100,00 mg/l / 48 h

Toxicity to algae: Frits, chemicals IC50 Algae: > 1.000,00 mg/l / 72 h

13. DISPOSAL CONSIDERATIONS

Product:

Disposal according to local authority 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

Other data Not a hazardous substance or preparation according to EC-directives
67/548/EEC or 1999/45/EC.

Major Accident Hazard 96/82/EC Update: 2003

Legislation listing: Directive 96/82/EC does not apply.

16. OTHER INFORMATION

Further information:

Data sheet producing department: CASTREE KILNS

Telephone: 01994 232760

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.