

according to Regulation (EC) No. 1907/2006 REGULATION (EC) No 1272/2008

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Frit 3110
Product Code: 3110

| Components | EC-No. | CAS Number |
|---|-----------|------------|
| Not classified exempt Frit - Not dangerous elements - (EU CLP Frit Group 1) | 266-047-6 | 65997-184 |

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Industrial use only

Uses advised against Toys and food contact

Details of the supplier of the safety data sheet

Supplier
CERADEL
53 rue de la Filature ZA Le Prouet
87350 PANAZOL – France

For further information, please contact

E-mail address ceradel@ceradel.fr

Emergency telephone number

INRS / ORFILA

<http://www.centres-antipoison.net>

Emergency telephone : +33 (0)1 45 42 59 59

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in his Section, see Section 16

Label Elements

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Other Hazards

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | EC-No. | CAS Number \ Neight % | Classification 67/548/EC | CLP Classification | REACH No. |
|---|-----------|-----------------------|--------------------------------|------------------------------|-----------|
| Not classified exempt Frit - Not dangerous elements - (EU CLP Frit Group 1) | 266-047-6 | 65997-18-4 100 | Not classified (exempted frit) | Not classified (exempt frit) | |

For the full text of the R-phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of first-aid measures

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.

Skin contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops.

Ingestion: Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

Inhalation: Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Notes to doctor: Treat symptomatically

Most important symptoms and effects, both acute and delayed
No information available.

Indication of immediate medical attention and special treatment needed

Protection of first-aiders: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons: No information available.

Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases None in particular.

Advice for emergency responders

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid dust formation. Do not breathe vapors/dust. Remove all non-essential people from the affected area. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Other information See Section 8 for additional information

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Methods and materials for containment and cleaning up

Wear personal protective equipment, Clean up promptly by scoop or vacuum. Clean contaminated surface thoroughly. Dispose of promptly.

Reference to other sections

See Section 13 for additional information.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling:

Avoid dust formation, Do not breathe vapours/dust. Handle in accordance with good industrial hygiene and safety practice. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

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

Specific End Uses

Exposure Scenario

No information available

Other Guidelines

No information available

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derivation of DNEL(s)

No information available

Derivation of the PNEC

No information available

Exposure controls

Engineering measures:

Provide for appropriate exhaust ventilation and dust collection at machinery. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal protective equipment

Eye Protection:

Safety glasses with side-shields.

Hand protection:

Impervious gloves. Follow the recommendations given by the manufacturer of protective gloves.

Skin and body protection:

Lightweight protective clothing. Keep working clothes separately. Remove and wash contaminated clothing before re-use.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. Seek professional advice prior to respirator selection and use.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Environmental Exposure Controls

Prevent prodMCt from entering drains. Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

| | |
|----------------|----------|
| Physical state | Solid |
| Color: | White |
| Odor: | Odorless |

Important health safety and environmental information

| | |
|------------------------------|---------------------------|
| Flash Point | Non combustible |
| Flammability (solid, gas): | No information available |
| Boiling point/boiling range | No information available. |
| pH | No information available |
| Vapor pressure : | No data available |
| Viscosity | No data available |
| Water solubility: | Insoluble |
| Oxidizing properties | No information available |
| Evaporation Rate (Water = 1) | Non-volatile |
| Relative density : | No information available |
| Vapor density: | Non-volatile |
| Explosive properties: | No information available |

Other information

| | |
|-------------------|-------------------|
| Refractive index: | No data available |
| Surface tension: | No data available |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

| | |
|--------------------------|-------------------------------|
| Hazardous Polymerization | None under normal processing. |
|--------------------------|-------------------------------|

Conditions to Avoid

To avoid thermal decomposition, do not overheat

Incompatible materials

None known.

Hazardous Decomposition Products

None under normal processing

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

| | |
|---------------------|---|
| Product information | Product does not present an acute toxicity hazard based on known or supplied information. |
| Inhalation | May cause irritation of respiratory tract. |
| Eye Contact | Contact with eyes may cause irritation. |
| Skin Contact | Prolonged skin contact may cause skin irritation. |
| Ingestion | May cause irritation. |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------------|---|
| Irritation | No information available. |
| Corrosivity | No information available. |
| Sensitization | No information available |
| Mutagenic Effects: | No Information available |
| Carcinogenic Effects | No information available, |
| Reproductive Toxicity | No information available |
| Developmental Toxicity | No information available |
| ST07 - single exposure | No information available |
| STOT-repeated exposure | No information available |
| Aspiration Hazard | No information available |
| Endocrine Disruptor Information | This product does not contain any known or suspected endocrine disruptors |

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity Effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Results of PBT and vPvB assessment

Not classified

Other adverse effects

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues/Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

| | |
|-----------------|---------------|
| <u>IMDG/IMO</u> | Not regulated |
| RID | Not regulated |
| ADR: | Not regulated |
| <u>IATA-DGR</u> | Not regulated |
| <u>IATA</u> | Not regulated |

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
German, Water Endangering Class: WGK 2.

International Inventories

| | |
|------------------------|---|
| TSCA 8(b): | Listed or exempt. |
| EC-No. | Listed or exempt. |
| Canadian DSL/NDSL list | All ingredient(s) are listed on the DSL or NDSL |
| Philippines (PICCS): | Listed. |
| Japan (ENCS): | Listed or exempt. |
| China (IECS): | Listed. |
| Australia (AICS): | Listed. |
| Korea (KECL): | Listed. |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

Chemical Safety Assessment

Not applicable

16. OTHER INFORMATION

List of relevant R-phrases

No information available

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Disclaimer: The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

End of Safety Data Sheet