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REIMBOLD & STRICK

Safety Data Sheet

according to Regulation (EC) No 1907/2006

VO 6129 Z

Print date: 08.01.2015

Product code: VO-6129_Z

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

VO 6129 Z

CAS No: 65997-18-4
EC No: 266-047-6

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

Use of the substance/mixture

Frit for industrial use.

Uses advised against

N.A.

1.3. Details of the supplier of the safety data sheet

Company name: REIMBOLD & STRICK
Handels- und Entwicklungsgesellschaft für chemisch-keramische Produkte mbh
Street: Hansestraße 70
Place: D-51149 Köln
Post-office box: 92 04 35
D-51154 Köln
Telephone: +49 (0) 2203 8985-0 Telefax: +49 (0) 2203 8985-260
e-mail: info@reimbold-und-strick.de
Internet: www.reimbold-und-strick.de

1.4. Emergency telephone number:

Giftnotruf Berlin 030 30686 790 Beratung in Deutsch und Englisch (24h Mo-So)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This substance is not classified as hazardous according to Directive 67/548/EEC.

GHS classification

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

Available studies conclude that this substance does not require classification nor labelling according to the CLP Regulation (1272/2008), and it is exempted from registration according to point 11 of Annex V of the REACH Regulation (1907/2006).

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Frits, chemicals
CAS-No.: 65997-18-4.
EINECS-No.: 266-047-6.

Further Information

This exempted frit is included in the subgroup 7 in the 2009 Validity Assessment of the Exemption Dossier Ceramic Frits, RCC Ltd., Switzerland, 2007, Harlan Laboratories Ltd., 2009 (see section 16).

SECTION 4: First aid measures



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4.1. Description of first aid measures

After inhalation

Remove to fresh air. With health problems please ask your doctor.

After contact with skin

Clean damaged skin with water and soap.

After contact with eyes

In case of contact with eyes rinse thoroughly with water.

After ingestion

Rinse mouth thoroughly with water. With health problems please ask your doctor.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

water, CO₂, foam, chemical powders, according to the materials involved in the fire.

Extinguishing media which must not be used for safety reasons

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases

5.3. Advice for firefighters

Product itself is non-combustible. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

6.2. Environmental precautions

Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Avoid raising dust. Send in suitable containers for recovery or disposal.

6.4. Reference to other sections

See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Provide extraction if dust raised. Use breathing apparatus when transferring large quantities without extraction facilities. Avoid contact with eyes and skin. Do not breathe dust. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a dry place.

7.3. Specific end use(s)

None in particular.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

Do not breathe dust. Wash hands before breaks and after work.

Respiratory protection

Dust-protection mask (filter P1, DIN-EN 141) if the MAK value is exceeded.

Hand protection

Work gloves.

Eye protection

Goggles

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Powder
Colour:	white
Odour:	odourless

Test method

Changes in the physical state

Melting point:	> 500 °C
Initial boiling point and boiling range:	> 1.000 °C
Flash point:	n.a.

Explosive properties

Not explosive.

Lower explosion limits: n.a.

Ignition temperature: n.a.

Auto-ignition temperature

Solid: n.a.

Vapour pressure: n.a.

Water solubility: n.d.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions observed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions observed.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

No hazardous reactions observed.



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10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

The available toxicological information proves that this substance is not toxic, very toxic, nor harmful, and that it does not require any risk notification.

SECTION 12: Ecological information

12.1. Toxicity

The available ecotoxicological information proves that this substance is not toxic, very toxic, nor harmful, and that it does not require any risk notification.

12.2. Persistence and degradability

None

12.3. Bioaccumulative potential

n.a.

12.4. Mobility in soil

n.a.

12.5. Results of PBT and vPvB assessment

n.a.

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of at an approved landfill, in accordance with local, state and federal regulations.

Waste disposal number of waste from residues/unused products

101105 WASTES FROM THERMAL PROCESSES; wastes from manufacture of glass and glass products; particulates and dust

Waste disposal number of contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous cargo.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No dangerous cargo.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous cargo.



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Air transport (ICAO)

Other applicable information (air transport)

No dangerous cargo.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

None

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water contaminating class (D): - - not water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Abbreviations and acronyms

n.a. = not applicable

n.d. = not determined

Further Information

Main bibliographic sources: Estudio de Evaluación de Riesgos de las Fritas Cerámicas, Universitat Jaume I, 2005. Exemption Dossier Ceramic Frits, RCC Ltd, Switzerland, 2007. Modelling Study of Ceramic Frits Formulation for their Classification in REACH, Universitat Jaume I, 2009. 2009 Validity Assessment of the Exemption Dossier Ceramic Frits, RCC Ltd, Switzerland, 2007, Harlan Laboratories Ltd, 2009.

Frits subgroups according to the 2009 Validity Assessment of the Exemption Dossier Ceramic Frits, RCC Ltd, Switzerland, 2007, Harlan Laboratories Ltd, 2009:

Group 7: Ceramic frits containing general elements that are not included in Annex VI of Directive 1272/2008, and with Cd and some of the elements Zn, Ba and Pb (<69% Pb; <5 Cd; >30% SiO₂; >1% Al₂O₃).

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet for chemical products, according to Regulation (EU) No. 1907/2006, is to describe the products in terms of their safety requirements. The data does not signify any warranty regarding the properties of these products.