

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.12.2012

Revision: 06.12.2012

### 1 Identification of the substance/mixture and of the company/undertaking

#### · Product identifier

- Trade name: **Xantalgin select, Xantalgin crono**
- Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the preparation Dental impression material

#### · Details of the supplier of the safety data sheet

##### · Manufacturer/Supplier:

Heraeus Kulzer GmbH  
Grüner Weg 11, D-63450 Hanau

Tel.: 0800 4372522

##### · Informing department:

Mira Brachtendorf  
Tel.: +49 2133 51-8220 / Fax: +49 2133 51-3420  
e-mail: mira.brachtendorf@heraeus.com

##### · Emergency telephone number:

Call "Poisoning Emergency Center Berlin": +49 30 30686 790 (24 hours, support in english and german language)

### 2 Hazards identification

#### · Classification of the substance or mixture

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC void

##### · Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

#### · Label elements

##### · Labelling according to EU guidelines:

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

#### · Other hazards

##### · Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

### 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

##### · Description: -

##### · Dangerous components:

CAS: 68855-54-9 EINECS: 272-489-0	Kieselguhr, soda ash flux-calcined Xn R48/20	50-75%
CAS: 14807-96-6 EINECS: 238-877-9	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) substance with a Community workplace exposure limit	5-10%
CAS: 16919-27-0 EINECS: 240-969-9	dipotassium hexafluorotitanate Xn R22; Xi R37-41; Xi R43	1-3%
CAS: 1309-48-4 EINECS: 215-171-9	magnesium oxide substance with a Community workplace exposure limit	0-5%

- Additional information For the wording of the listed risk phrases refer to section 16.

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### 4 First aid measures

- **Description of first aid measures**
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
  - **After skin contact** Instantly wash with water and soap and rinse thoroughly.
  - **After eye contact**  
Rinse opened eye for several minutes under running water. Then consult doctor.
  - **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Seek immediate medical advice.
  - **Information for doctor**
    - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
    - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
  - **Protective equipment:** No special measures required.
- **Additional information** -

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Collect mechanically.  
Send for recovery or disposal in suitable containers.
- **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 13 for information on disposal.  
See Section 8 for information on personal protection equipment.
- 

### 7 Handling and storage

- **Handling**
  - **Precautions for safe handling** Wear protective equipment. Keep unprotected persons away.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and containers:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

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### 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

**14807-96-6 Talc ( $Mg_3H_2(SiO_3)_4$ )**

WEL Long-term value: 1 mg/m<sup>3</sup>

**8002-74-2 Paraffin waxes and Hydrocarbon waxes**

WEL Short-term value: 6 mg/m<sup>3</sup>

Long-term value: 2 mg/m<sup>3</sup>

**1309-48-4 magnesium oxide**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

· **Breathing equipment:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

PVC or PE gloves

Natural rubber, NR

· **Eye protection:** Safety glasses

· **Body protection:** Light weight protective clothing

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:** Solid.

· **Colour:** According to product specification

· **Smell:** Aromatic

· **Change in condition**

· **Melting point/Melting range:** Not determined

· **Boiling point/Boiling range:** Not determined

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density** Not determined

· **Settled apparent density** 250-500 kg/m<sup>3</sup>

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- **Solubility in / Miscibility with**
  - **Water:** Insoluble
- **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
  - **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None
- **Additional information:** -

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **on the eye:** No irritant effect.
- **Sensitization:**
  - No sensitizing effect known.
  - Guinea-Pig Maximisation Test (OECD 406): negative
- **Additional toxicological information:**
  - The product contains no relevant dust particles (particel size > 100 micrometer) because the surface of the kieselguhr is coated with paraffin wax.

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
  - Small quantities can be polymerized with the matching system component(s) and the cured solid material can be disposed of with the regular garbage.
  - Disposal must be made according to official regulations.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**  
· **ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**  
· **ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**  
· **ADR, ADN, IMDG, IATA**  
· **Class** Void
- **Packing group**  
· **ADR, IMDG, IATA** Void
- **Environmental hazards:**  
· **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** -

### 15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- R22 Harmful if swallowed.
- R37 Irritating to respiratory system.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

- **Contact:**

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- **\* Data compared to the previous version altered.**