

# Material Safety Data Sheet

## According to 91/155 EEC(2001/58 EC)

Printing date: 22.06.2004

Reviewed on: 22.06.2004

### 1 Identification of substance:

- **Product details:**
- **Trade name:** **Sisa-Markierungsstifte**  
**Sisa wax crayons (different colours)**
- **Application of the substance / the preparation** Wax crayons for the marking of tyres
- **Supplier/Manufacturer:**  
Raidex GmbH  
Neuhäuser Str. 17  
D-72581 Dettingen/Erms  
Tel.: +49-7123-9751-0 Fax: +49-7123-9751-33
- **Information department:** see above
- **Emergency information:** National Poisons Information Centre Tel.: +44 (0)870 6006266

### 2 Composition/Data on components:

- **Chemical characterization**
  - **Description:** Mixture of the substances listed below with nonhazardous additions.
  - **Dangerous components:**
- |  |         |
|--|---------|
| CAS: 8002-74-2    paraffin waxes and hydrocarbon waxes | 10-25%  |
| EINECS: 232-315-6                                      |         |
| CAS: 13463-67-7    titanium dioxide                    | 10-25%  |
| EINECS: 236-675-5                                      |         |
| CAS: 7727-43-7    barium sulphate, natural             | 2.5-10% |
| EINECS: 231-784-4                                      |         |

### 3 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment:**  
According to current European laws and regulations the product is not dangerous or toxic material (based on the available data). The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification was made according to the latest editions of the EU-lists, and expanded using company data and specialized literature.

### 4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** void
- **After skin contact:** Wash with water and soap.
- **After eye contact:** Eye contact is unlikely. If particles get into the eye remove as customary for foreign bodies.
- **After swallowing:**  
Unintentional swallowing is not very likely in the industrial area. If product is ingested, induce vomiting and see to medical treatment.

### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
Use fire fighting measures that suit the environment.  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Dangerous decomposition product see chapter 10: stability and reactivity
- **Protective equipment:**  
Wear self-contained respiratory protective device.

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Do not inhale combustion vapors.

· **Additional information:**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
 Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store at room temperature
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class** 11 Flammable solids

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

**8002-74-2 paraffin waxes and hydrocarbon waxes**

OES Short-term value: 6 mg/m<sup>3</sup>Long-term value: 2 mg/m<sup>3</sup>

**13463-67-7 titanium dioxide**

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

\*total inhalable dust \*\*respirable dust

**7727-43-7 barium sulphate, natural**

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

\*total inhalable dust \*\*respirable dust

All above-mentioned substances are part of the wax mixture and are not available in respirable form.

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:** The usual protective measures based on the application have to be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** -
- **Penetration time of glove material:** -
- **Eye protection:** Not required.
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

· **General Information**

<b>Form:</b>	Solid.
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Characteristic

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- **Change in condition:**  
   **Melting point/Melting range:** ~ 80°C  
   **Boiling point/Boiling range:** undetermined
- **Flash point:** > 180°C
- **Self igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 0.900 g/ml
- **Solubility in / Miscibility with Water:** Insoluble

### 10 Stability and reactivity

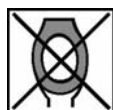
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous products of decomposition:**  
 In the case of fire or at high temperatures the formation of the following decomposition products is possible.  
 Carbon monoxide and carbon dioxide  
 Hydrocarbons  
 Irritant gases/vapours  
 Possibly traces of:  
 Acetic acid  
 Vinyl acetate

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
 No toxicity data are available for the product itself.  
 Due to the composition no relevant toxicity is expected.
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
 The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Presently there are no ecotoxicological values available.
- **General notes:**



Do not allow product to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to instructions of local authorities.

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

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

### 15 Regulations

- **Markings according to EC guidelines:**  
Observe the general safety regulations when handling chemicals  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

### 16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:**  
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Postfach 1451 D-64345 Griesheim  
Tel.: +49-6155-823241 Fax: +49-6155-823246
- **Contact:** Angelika Torges