

## Safety Data Sheet

according to Regulation (EC) Nr. 1907/2006 (REACH)

Print date: 21.04.2017

Revision number 2.1

Version date: 21.04.2017

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

#### 1.1 Product identifier

- **Product name:** TopMarkerStick
- **Product codes:** 20620, 20621, 20622, 20623, 20624, 20625, 20626

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

- **Identified uses of the substance or mixture**  
Colored pencil for marking of animals

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

Albert Kerbl GmbH  
Felizenzell 9  
D-84428 Buchbach  
www.kerbl.com  
Tel.: 0049-(0)8086-933-100  
E-Mail: info@kerbl.com

- **Responsible Department:**  
Albert Kerbl GmbH  
Tel.: 0049-(0)8086-933-104  
E-Mail: bm@kerbl.com

#### 1.4 Emergency telephone number:

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen  
c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74  
Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17  
E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) Nr. 1272/2008**  
none

#### 2.2 Label elements

**Label elements according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)**  
none.

#### 2.3 Other hazards

none

### 3 Composition/information on ingredients

**Chemical Characterization:** Mixture

**Hazardous ingredients:**

none



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### 4 First aid measures

#### 4.1 Description of first aid measures

· **General information:**

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

· **Inhalation:**

Move to fresh air. If symptoms persist, call a physician.

· **Skin contact:**

Rinse abundantly in the water and in the soap.

· **Eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

Remove contact lenses.

· **Ingestion:**

Rinse out mouth and then drink plenty of water. Do not induce vomiting.

In case of doubt or if symptoms persist, call a doctor.

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

No further relevant information available.

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

No further relevant information available.

### 5 Firefighting measures

#### 5.1 Extinguishing media

Suitable methods of extinction - In the event of a fire, use: sprayed water or water mist, foam, multipurpose ABC powder, BC powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable methods of extinction - In the event of a fire, do not use: water jet

#### 5.2 Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), hydrogen chloride (HCl)

#### 5.3 Advice for firefighters

**Special protective equipment:** Wear self-contained breathing apparatus.

**Further information**

Dispose fire residues and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment. Keep unprotected people away. Risk of slipping. Consult the safety measures listed under headings 7 and 8.

#### 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system. Prevent any material from entering drains or waterways.

#### 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.



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### 6.4 Reference to other sections

Information regarding safe handling see chapter 7.  
Information regarding personal protection see chapter 8.  
Information regarding disposal see chapter 13.

## 7 Handling and storage

### 7.1 Precautions for safe handling

No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep in the original container.  
Store away from oxidizing agents.  
Recommended storage temperature: 5-30 °C

### 7.3 Specific end use(s) Keep out of reach of children.

No further relevant information available.

## 8 Exposure controls/personal protection

### 8.1 Control parameters

none

### 8.2 Exposure controls / Personal protection

The usual precautionary measures for handling chemicals should be followed.

#### Eye / face protection

Avoid contact with eyes.

#### Hand protection

Avoid contact with skin. Wash hands before breaks and at the end of work. Wear suitable protective gloves in the event of prolonged or repeated skin contact. Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

#### Skin protection (other than of the hands)

Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

#### Respiratory protection

Do not inhale gases / fumes / aerosols. In case of insufficient ventilation wear suitable respiratory protection.

#### Thermal hazards

No data available.

#### Exposure controls regarding environmental protection

No data available.



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### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **General Information**
- **Appearance:**
  - **Form:** waxy
  - **Colour:** different according to pigmentation
- **Odour:** weak, characteristic
- **Smell Threshold:** not determined
- **pH:** not applicable
- **Change of state**
  - **Melting point/range:** not determined
  - **Boiling point/range:** 316 °C
- **Flash point:** 220 °C
- **Flammability (solid, gas):** not determined
- **Ignition temperature:** 300 °C
- **Thermal decomposition:** not determined
- **Autoinflammability:** Product is not self-igniting
- **Explosion hazard:** Product does not present an explosion hazard
- **Explosion limits:**
  - **Lower:** not determined
  - **Upper:** not determined
- **Vapour pressure at 20 °C:** 1 hPa
- **Density:** not determined
- **Bulk density:** not determined
- **Vapour density:** not applicable
- **Evaporation rate:** not applicable
- **Solubility / miscibility**
  - **Water:** insoluable
- **Partition coefficient (n-Octanol/Water):** not determined
- **Viscosity:** not applicable
- **Oxidising properties:** not determined

#### 9.2 Other information

No further relevant information available.

### 10 Stability and reactivity

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

No decomposition if used according to specifications.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions when stored and handled according to specifications.



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### 10.4 Conditions to avoid:

No further relevant information available.

### 10.5 Incompatible materials:

Reacts with strong oxidants.

### 10.6 Hazardous decomposition products:

None, under the recommended handling and storage conditions, see chapter 7.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Because of the product composition slight irritation of skin may occur.

#### Eye damage/irritation:

Because of the product composition slight irritation of eyes may occur.

#### Sensitisation, respiratory or skin:

No sensitizing effects known.

#### Carcinogenicity, germ cell mutagenicity, reproductive toxicity (CMR):

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT), single/repeated exposure:

Based on available data, the classification criteria are not met.

#### Aspiration hazard:

Based on available data, the classification criteria are not met.

#### Additional toxicological information:

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

## 12 Ecological information

12.1 Toxicity	No further relevant information available.
12.2 Persistence and degradability	Biodegradable.
12.3 Bioaccumulative potential	No further relevant information available.
12.4 Mobility in soil	No further relevant information available.
12.5 Results of PBT and vPvB assessment	Not applicable.
12.6 Other adverse effects	No further relevant information available.



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### 13 Disposal considerations

#### 13.1 Waste treatment methods

Must be supplied to an authorized hazardous waste incineration plant, after pretreatment, in accordance with regulations for special waste.

#### Disposal of the product / packaging

Waste codes / waste designations according to EWC

The allocation of waste identity numbers / waste descriptions must be carried out specific to industry / process in cooperation with disposal firm / producing firm / official authority

#### Uncleaned packaging:

Disposal according to official regulations.

### 14 Transport information

- |  |   |
|--|---|
| <b>14.1 UN number</b>  | Not classified as dangerous good according to transport regulations |
| <b>14.2 UN proper shipping name</b>  | none  |
| <b>14.3 Transport hazard class(es)</b>   | none  |
| <b>14.4 Packing group</b>  | none  |
| <b>14.5 Environmental hazards</b>  | none  |
| <b>14.6 Special precautions for user</b>   | none  |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable.   |

### 15 Regulatory information

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

##### EU-Regulations

none

##### National Regulations

##### Germany: Wassergefährdungsklasse (WGK)

slightly hazardous to water (WGK 1), self-classification

#### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.



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### 16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Revision notes

\* Changes since the last version

#### Abbreviations

WGK : Wassergefährdungsklasse (Water Hazard Class).

#### Methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 for the purpose of classification

Classification based on the components