Trade name: WHITEsmile Blocker

1. Identification of substance

Trade name: WHITEsmile Blocker

Manufacturer/Supplier: WHITEsmile GmbH
Weinheimer Str. 6, D-69488 Birkenau/Germany
Tel.: +49-6201-84321-90, Fax +49-6201-84321-99
www.whitesmile.de, info@whitesmile.de
Tel.: +49-6201-84321-90

Information in case of emergency

2. Hazards identification

Classification: -

3. Composition/information on ingredients

Description: Preparation of methacryl acid ester as spacer on tooth models for manufacturing customized bleaching trays. Not for use on the patient.

Dangerous components: void

4. First aid measures

General information: No special measures are necessary.

After skin contact: Immediately rinse with a lot of water.

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

After swallowing: Do not induce vomiting; call for medical help immediately.

5. Fire fighting measures

Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet.

Protective equipment: No special measures required.

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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

7. Handling and storage

Handling: Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

Storage: Close container immediately after use and protect product from light incidence. Storage between 15 °C and 30 °C in a dry and well-aired place. Avoid heating the material to over 50 °C and cooling it below 5 °C.

Information about storage in one common storage facility: No special measures

8. Exposure controls and personal protection gear

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes and skin.

Hand protection: protective gloves

Eye protection: safety goggles

Hygienic measures: Immediately remove all soiled and contaminated clothing

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Color</th>
<th>Odour</th>
</tr>
</thead>
<tbody>
<tr>
<td>pasty</td>
<td>dark blue</td>
<td>Weak, characteristic</td>
</tr>
</tbody>
</table>
Trade name: WHITEsmile Blocker

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Temperature</th>
<th>at</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>n.a.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point</td>
<td>260°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>101°C</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Self-igniting</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>n.b.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Not miscible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>0.0%</td>
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</tbody>
</table>

**Additional information**
The physical data are given for main ingredient

**10. Stability and reactivity**

**Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

**Materials to be avoided:**
In presence of radical formers (e.g., peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible.

**Dangerous reactions:**
Photoreactive, Exothermic polymerization

**Dangerous decomposition products:**
No dangerous decomposition products known

**11. Toxicological information**

**Acute toxicity**

<table>
<thead>
<tr>
<th>value</th>
<th>species</th>
<th>method</th>
<th>comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Akut Oral</td>
<td>10120 mg/kg (Lit.)</td>
<td>Ratte</td>
<td>1,4-Butandioldimethacrylat</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**
on the skin: Slightly irritating.
on the eye: Slightly irritating.

**Sensitization:**
Sensitizing effect by skin contact is possible by prolonged exposure.

**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 to our experience and the information provided to us.

**12. Environmental information**

**General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

**13. Disposal considerations**

**Product:**
Smaller quantities can be disposed of with household waste. Dispose of bigger amounts in accordance with Local Authority requirements.

**Uncleaned packaging:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Recommended cleansing agents: alcohol.

**14. Transport information**

**General information:**
in small amounts no hazardous according to transport regulations.

**15. Regulations**

Labeling: -

**15. 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.