Material Safety Data Sheet
According to (CG) Nr. 1907/2006
Printing date: 06.02.2009
Revision: 21.03.2011 Version 2.0 (GB)

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:
Requirements to be met by storerooms and receptacles: 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
Form: pasty
Color: dark blue
Odour: Weak, characteristic

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<table>
<thead>
<tr>
<th></th>
<th>Value</th>
<th>Temperature at</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point</td>
<td>260°C</td>
<td></td>
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<tr>
<td>Flash point</td>
<td>101°C</td>
<td></td>
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<tr>
<td>Self-igniting</td>
<td>No</td>
<td></td>
<td></td>
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<tr>
<td>Danger of explosion</td>
<td>No</td>
<td></td>
<td></td>
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<tr>
<td>Density</td>
<td>n.b.</td>
<td></td>
<td></td>
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<tr>
<td>Solubility in water</td>
<td>Not miscible</td>
<td></td>
<td></td>
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<tr>
<td>Organic solvents</td>
<td>0,0%</td>
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</tbody>
</table>

**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>species</th>
<th>method</th>
<th>comment</th>
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</thead>
<tbody>
<tr>
<td>Ratte</td>
<td>1,4-Butandioldimethacrylat</td>
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</table>

**LD50 Akut Oral**

10120 mg/kg (Lit.)

Primary irritant effect: on the skin: Slightly irritating.

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

**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.