

# Material Safety Data Sheet

## Sasfroth 202

Version 1.00

Revision Date 16.09.2005



### 1. Identification of the substance/preparation and of the company/undertaking

Trade name	Sasfroth 202
Company	Hitech Chemicals

### 2. Composition/information on ingredients

#### hexan-1-ol

content:  $\geq 30.00$  -  $\leq 40.00$  %

CAS-No. 111-27-3  
Symbol(s) Xn

Index-No. 603-059-00-6  
R-phrase(s) -R22

EG-Nr.: 203-852-3

#### 2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutyl ether; butoxytriethylene glycol

content:  $\geq 5.00$  -  $\leq 80.00$  %

CAS-No. 143-22-6  
Symbol(s) Xi

Index-No. 603-183-00-0  
R-phrase(s) -R41

EG-Nr.: 205-592-6

#### pentanol isomers, with the exception of those specified elsewhere in this Annex

content:  $\geq 10.00$  -  $\leq 15.00$  %

CAS-No. 71-41-0  
Symbol(s) Xn

Index-No. 603-006-00-7  
R-phrase(s) -R10 -R20 -R37 -R66

EG-Nr.: 200-752-1

For the full text of the R phrases mentioned in this Section, see Section 16.

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### 3. Hazards identification

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#### Identification of the risks

R22 Harmful if swallowed.  
R41 Risk of serious damage to eyes.

### 4. First aid measures

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**General advice** If you feel unwell, seek medical advice (show the label where possible).

**Inhalation** Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

**Skin contact** Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.

**Ingestion** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

### 5. Fire-fighting measures

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**Suitable extinguishing media** water spray, dry powder, foam

**Specific hazards during fire fighting** Do not allow run-off from fire fighting to enter drains or water courses.

**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit.

**Further information** Standard procedure for chemical fires. In the event of fire, cool tanks with water spray.

### 6. Accidental release measures

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**Personal precautions** Use personal protective equipment. Do not breathe vapours or spray mist. Ensure adequate ventilation.

**Environmental precautions** Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid

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binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations.

### 7. Handling and storage

#### Handling

- Safe handling advice** Wear personal protective equipment. Avoid contact with skin and eyes.
- Advice on protection against fire and explosion** No special protective measures against fire required.

#### Storage

- Requirements for storage areas and containers** Keep containers tightly closed in a cool, well-ventilated place.

### 8. Exposure controls / personal protection

#### Components with workplace control parameters

##### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

no data available

##### EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

no data available

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

- Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection** solvent-resistant gloves
- Eye protection** safety glasses with side-shields
- Skin and body protection** protective suit, safety shoes
- Hygiene measures** Wash hands before breaks and immediately after handling the product.
- Protective measures** Wear suitable protective equipment.

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### 9. Physical and chemical properties

<b>Form</b>	<i>liquid</i>
<b>state of matter</b>	<i>liquid</i>
<b>Colour</b>	<i>clear, colourless</i>
<b>Odour</b>	<i>characteristic</i>
<b>pH</b>	<i>8.8</i>
<b>Melting point/range</b>	<i>-43 °C; 101.3 hPa</i>
<b>Boiling point/range</b>	<i>141 °C</i>
<b>Flash point</b>	<i>66 °C; closed cup</i>
<b>Density</b>	<i>0.915 g/cm<sup>3</sup>; 20 °C</i>
<b>Bulk density</b>	<i>0.915 kg/m<sup>3</sup>; 20 °C</i>
<b>Water solubility</b>	<i>partly soluble</i>
<b>Solubility in other solvents</b>	<i>Medium: methanol; completely soluble</i>
<b>Solubility in other solvents</b>	<i>Medium: Diethylether; completely soluble</i>
<b>Solubility in other solvents</b>	<i>Medium: acetone; completely soluble</i>
<b>Viscosity, kinematic</b>	<i>34.54 mm<sup>2</sup>/s</i>

### 10. Stability and reactivity

<b>Materials to avoid</b>	<i>oxidizing agents, reducing agents, acids and bases</i>
<b>Hazardous decomposition products</b>	<i>No decomposition if stored normally.</i>

### 11. Toxicological information

<b>Acute oral toxicity</b>	<i>Hexanol: LD50 rat: 720 mg/kg; literature value n-Pentanol: LD50 rat: 370 mg/kg; literature value n-Pentanol: LD50 mouse: 200 mg/kg; literature value</i>
<b>Acute inhalation toxicity</b>	<i>n-Pentanol: LCLo rat: 14,000 mg/m<sup>3</sup>; literature value; 6 h</i>
<b>Acute dermal toxicity</b>	<i>Hexanol: LD50 rabbit: 3,100 mg/kg; literature value</i>

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<b>Skin irritation</b>	<i>n</i> -Pentanol: LDLo rabbit: 4,490 mg/kg; literature value
<b>Eye irritation</b>	<i>n</i> -Pentanol: rabbit: Severe skin irritation; literature value
	<i>n</i> -Pentanol: rabbit: highly irritating; literature value

### 12. Ecological information

#### Ecotoxicity effects

<b>Toxicity to fish</b>	Hexanol: LC50 <i>Pimephales promelas</i> : 97.5 mg/l; 96 h; literature value
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### 13. Disposal considerations

<b>Product</b>	<i>In accordance with local and national regulations.</i>
<b>Contaminated packaging</b>	<i>Packaging that cannot be cleaned must be disposed of in the same way as the material itself.</i>

### 14. Transport information

<b>Further Information</b>	<i>Not classified as dangerous in the meaning of transport regulations.</i>
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### 15. Regulatory information

#### Labelling

<b>Regulatory base</b>	1999/45/EC
<b>Symbol(s)</b>	Xn: Harmful
<b>R-phrases(s)</b>	R22: Harmful if swallowed. R41: Risk of serious damage to eyes.
<b>S-phrase(s)</b>	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39: Wear eye/face protection. S60: This material and its container must be disposed of as hazardous waste.
<b>Hazardous components which must be listed on the label</b>	hexan-1-ol



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### 16. Other information

*Full text of R-phrases referred to under sections 2 and 3:*

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R66	Repeated exposure may cause skin dryness or cracking.

*This MSDS summarises at the date of issue our best knowledge of the health, safety and environmental hazard information related to the product, and in particular how to safely handle, use, store and transport the product in the workplace. Since we cannot anticipate or control conditions under which the product may be handled, used, stored or transported, each user must, prior to usage, review this MSDS in the context of how the user intends to handle, use, store or transport the product in the workplace and beyond, and communicate such information to all relevant parties. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.*

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