Section 1. Chemical Product and Company Identification

Product No. R21281
Trade name Voges Proskauer B
Manufacturer Oxoid Limited
Wade Road
Basingstoke
Hants RG24 8PW
ENGLAND
Tel: +44 (0)1256 841144
Fax: +44 (0)1256 463388
Supplier Oxoid Limited
Wade Road
Basingstoke
Hants RG24 8PW
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Section 2. Hazards Identification

Most Important Hazards Harmful if swallowed.
Human health hazards - Eyes Causes severe burns.
Human health hazards - Skin Corrosive to skin on contact.
Human health hazards - Ingestion A large dose may have the following effects: diarrhoea, nausea, vomiting.

Section 3. Composition, Information on Ingredients

Preparation - Hazardous ingredients (Europe)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Concentration</th>
<th>Classification</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Hydroxide</td>
<td>1310-58-3</td>
<td>40.00 % w/v</td>
<td>Xn - Harmful.</td>
<td>R22- Harmful if swallowed.</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

First Aid - Eyes Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.
First Aid - Skin In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.
First Aid - Ingestion Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents.
First Aid - Inhalation Remove from exposure. Seek medical attention if you feel unwell.

Section 5. Fire Fighting Measures

Extinguishing Media - Suitable Not combustible. Use extinguishing media suitable for surrounding materials.
Section 6. Accidental Release Measures

Personal Precautions  Wear appropriate protective clothing. Safety glasses or chemical goggles to EN166, 167 and 168. Disposable vinyl gloves.

Spill  Dilute with excess water and carefully neutralise with acid. Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7. Handling and Storage

Handling  Avoid contact with eyes, skin and clothing.

Storage  Store at room temperature. Keep well closed and protected from direct sunlight and moisture.

Section 8. Exposure Controls, Personal Protection

Occupational Exposure Limits (Preparation) - Europe
Potassium Hydroxide  UK EH40: WEL 2 mg/m³ 15min STEL.

Engineering measures  Good general ventilation should be sufficient to control airborne levels.

Protective Measures - Hands  Disposable vinyl gloves.

Protective Measures - Eyes  Safety glasses or chemical goggels to EN166, 167 and 168.

Protective Measures - Body  Lab coat.

Section 9. Physical and Chemical Properties

Physical state  Liquid.

Colour  Colourless.

pH  13.5

Solubility - Water  Miscible in water.

Flammability  Not combustible.

Section 10. Stability and Reactivity

Stability  Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products  carbon oxides (CO, CO2)

Section 11. Toxicological Information

Acute toxicity  Harmful if swallowed.

Chronic toxicity / Carcinogenic effects  No evidence.

Section 12. Ecological Information

Ecotoxicity  No relevant studies identified.

Section 13. Disposal Considerations

Disposal considerations  Hazardous waste. Dispose of according to all federal, state and local applicable regulations.
Section 14. Transport Information

| UN : UN number | 1814 |
| UN : Proper shipping name | Potassium Hydroxide Solution |
| UN : Class | 8 |
| UN : Packing group | II |

Section 15. Regulatory Information

Label Requirements

Corrosive

Risk Phrases

R22- Harmful if swallowed.
R35- Causes severe burns.

Safety Phrases

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC Classification

C - Corrosive.
Xn - Harmful.

Section 16. Other Information

MSDS first issued

11/04/2006

MSDS data revised

16/07/2009

USES

A reagent used to determine the ability of gram-negative bacilli to produce acetyl-methylcarbinol from glucose fermentation.

Revisions Highlighted

Date of issue

Notes

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.

Labelling of packaging containing less than 125 ml will differ according to the EU preparations Directive 1999/45/EC.