



Neutron[®]Pharmachemical Co.
Manufacturer of Laboratory Chemical & Pharmaceutical Materials

SAFETY DATA SHEET Voges Proskauer B

Date of issue - 16/07/2009.

R21281

Section 1. Chemical Product and Company Identification

Product No. 1.3710
Trade name Voges Proskauer B
Manufacturer NEUTRON PHARMACHEMICAL CO
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Section 2. Hazards Identification

Most Important Hazards Harmful if swallowed.
Causes severe burns.
Corrosive to eyes.
Human health hazards - Eyes
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)

Component	CAS No.	Concentration	Classification	Risk Phrases
Potassium Hydroxide	1310-58-3	40.00 % w/v	Xn - Harmful.	R22- Harmful if swallowed.
	215-181-3		C - Corrosive.	R35- Causes severe burns.

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.

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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 goggles 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.

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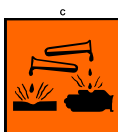
Section 14. Transport Information

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.

Safety Phrases

R35- Causes severe burns.

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 acetylmethylcarbinol 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.