

University of Oxford COSHH Assessment Form

Read the notes on completion before attempting to fill in this form. If insufficient space is available under any section, use a separate piece of paper and attach it to the form.

File ref: Potassium hydroxide -COSHH
Date: February 2016

Department: NDM,
NDMRB

Persons involved: All NDMRB Laboratory Staff

Location of work:
NDMRB Laboratories

Description of procedure: General Lab Reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Potassium Hydroxide reagent CAS No: 1310-58-3	Powdered 85%, 250g bottle In use 100ml at 1M	Weekly	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.	Ingestion; contact with skin and eyes.

Could a less hazardous substance (or form of the substance) be used instead? Yes/No

Justify not using it:

What measures have you taken to control risk?

Engineering controls:

PPE: Gloves, lab coat and safety glasses to be worn at all times

Management measures: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Absorbs carbon dioxide (CO₂) from air.

Most important symptoms and effects, both acute and delayed: no data available

Accidental release measures: Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Checks on control measures:

LeV is visually checked regularly and air flow are inspected once a year as part of a servicing contract.

Is health surveillance required? No

Training requirements: None

Emergency procedures:

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Fire fighting measures: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: no data available

Advice for Fire fighters: Wear self-contained breathing apparatus where possible.

Further information Gives off hydrogen by reaction with metals.

Waste disposal:

Stock pot of reagent must be disposed of via the Safety Office – contact your lab manager to arrange collection.

Name and position of assessor: Tiphaine Bouriez-Jones, Lab Manager

Signature:



Name of supervisor (student work only):

Signature:

Name of head of department or nominee:

Signature: