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: Sodium Hydroxide -COSHH** **Date: February 2016**

Department: NDM, NDMRB **Location of work**: NDMRB Laboratories	**Persons involved**: All NDMRB Laboratory Staff

Description of procedure: General Lab Reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Sodium Hydroxide Solution Fluka product number: 72082 Sodium Hydroxide CAS no 1310-73-2	Stock = Powdered, 98% 500g bottle Used as 0.1M solutions (for cleaning purposes)	Weekly/ as necessary	H290 May be corrosive to metals. 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: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

Management measures: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Control parameters CAS-No. 1310-73-2, Sodium hydroxide 2mg/m3 UK. EH40 WEL

Most important symptoms and effects, both acute and delayed: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.
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:

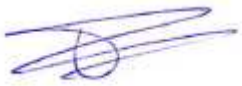
LeV is visually checked regularly and air flow are inspected once a year as part of a servicing contract.

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. **Firefighting measures**: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. **Special hazards arising from the substance or mixture**: Sodium oxides **Advice for Fire fighters**: Wear self-contained breathing apparatus where possible.	Waste disposal: **Sodium Hydroxide 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: