

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: Butanol -
COSHH

Date: October 2015

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
1-Butanol	Liquid 1X 1L bottle	Weekly/as necessary	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H335 May cause respiratory irritation. H315 Causes skin irritation. H318 Causes serious eye damage. H336 May cause drowsiness or dizziness.	Inhalation, 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: Use chemical fume cupboard when handling neat solution.

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

Management measures: Store in locked flammable cupboard when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Most important symptoms and effects, both acute and delayed:

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

Methods and materials for containment and cleaning up: Spilled product must never be returned to the original container for recycling. Prevent spread over a wide area (e.g. by containment or oil barriers). Soak up inert absorbent and dispose as waste requiring special attention. Collect in closed and suitable containers for disposal.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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 Wash off with plenty of water. Consult a physician.

In case of eye contact Flush eyes with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed Immediately call a POISON CENTRE or doctor

Firefighting measures: Use water spray or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for Fire fighters: DO NOT fight fire when fire reaches explosives. Wear self-contained breathing apparatus where possible.

Waste disposal:

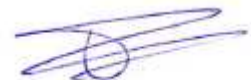
Disposal:

Dispose of small quantity of Butanol by evaporation in a chemical fume hood.

Large quantity 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: