

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: Qiagen Buffer
ERC -COSHH

Date: October 2015

Department: NDM,
NDMRB

Persons involved: All NDMRB Laboratory Staff

Location of work:
NDMRB Laboratories

Description of procedure: DNA purification kit reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Buffer ERC	300ul of Buffer PB	Weekly/ as necessary	H225: Highly flammable liquid and vapour. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.	Inhalation; Ingestion; contact with 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 formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Most important symptoms and effects, both acute and delayed: Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

Accidental release measures: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations

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

Checks on control measures:

Is health surveillance required? No

Training requirements: None

Emergency procedures:

General advice: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Consult a physician.

If inhaled: If unconscious place in recovery position and seek medical advice. Keep respiratory tract clear. If symptoms persists, call a physician.

In case of skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persists, call a physician.

In case of eye contact: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: If accidentally swallowed obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Firefighting measures: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: No hazardous combustion products are known

Further information: In the event of fire and/or explosion do not breathe fumes.

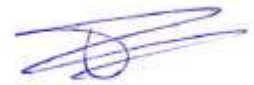
Waste disposal:

Disposal:

Stock of ERC buffer 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:

A handwritten signature in blue ink, consisting of several overlapping horizontal strokes and a circular loop.

Name of supervisor (student work only):

Signature:

Name of head of department or nominee:

Signature: