

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: Bryostatin 1
COSHH
Date: April 2016

Department: NDM,
NDMRB

Persons involved: All NDMRB Laboratory Staff

Location of work:
NDMRB Laboratories

Description of procedure: Tissue Culture reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Bryostatin 1	Stock 25mg, used at up to 100uM	Weekly, As required	Health Hazard, Corrosive, Irritant/Sensitizer, toxic to the environment	Ingestion, contact with skin and eyes, inhalation

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 stock solution in a ducted chemical fume hood. Store in a locked flammable cupboard when not in use.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature -20 °C

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

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Management measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas

Most important symptoms and effects, both acute and delayed:

Substances that can cause occupational asthma (also known as asthmagens and respiratory sensitisers) can induce a state of specific airway hyper-responsiveness via an immunological, irritant or other mechanism. Once the airways have become hyperresponsive, further exposure to the substance, sometimes even to tiny quantities, may cause respiratory symptoms.

Component	CAS-No.	Value	Control parameters	Basis
Subtilisin	9014-01-1	TWA	0.00004 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits

Accidental release measures: Soak up with inert absorbent material and dispose of as hazardous waste. 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. Flammable cupboard are checked during safety inspections.

Is health surveillance required? No	Training requirements: Good Laboratory Practices
--	---

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 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 Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Nature of decomposition products not known.

Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.


Further information No data available

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: