

## 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: Gentamycin -  
COSHH

Date: February 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
Gentamycin CAS no 1405-41-0	two types available: 50mg/ml 10ml pack 80mg/2ml ampoule	Daily/Weekly	H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled	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:**

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. Recommended storage temperature: 2 - 8 °C

**Most important symptoms and effects, both acute and delayed:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Liver - Irregularities - Based on Human Evidence

**Accidental release measures:** Use personal protective equipment. 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** Do not let product enter drains.

**Checks on control measures:**

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 soap and plenty of water. Consult a physician.

**In case of eye contact** Flush eyes with water as a precaution.

**If swallowed** 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:** Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides.

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

Waste disposal:

**Disposal:**

Gentamycin is inactivated by boiling/autoclaving.

Growth medium containing dilute concentrations of Gentamycin should be disposed treated with 1% Virkon for 30min, liquid media should be poured down the drain with copious amount of water, and solid waste should be disposed of via the autoclave route if biologically contaminated.

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: