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| Owner C.H.O | DOC. NO. SOP | REV. 1 | DATE NOV 7, 2019 |
| DOC. TITLE SOP FOR ANTIMYCIN | | | |

Environmental Health & Safety

STANDARD OPERATING PROCEDURES (SOP) FOR WORKING WITH ANTIMYCIN A AT AMHERST COLLEGE

General Information

Antimycin A is a very toxic substance produced by *streptomyces* bacteria. It is a white solid that is used in the laboratory as a respiratory inhibitor; in industry, its primary use is in insecticides to control invasive species.

Personal Protective Equipment

When working with Antimycin A, the following personal protective equipment (PPE) **must** be worn, at a minimum:

Splash goggles

Lab coat

Long pants

Close toed shoes

Gloves – Nitrile (double-gloving recommended). Change as often as needed

Safety Devices

Fume hood – always work with Antimycin A in a fume hood to reduce exposure by inhalation.

Identify the location of all the safety devices in the room before starting your procedure. Also, familiarize yourself with all the possible means of egress.

Specific Health Hazards

There is no published Permissible Exposure Limit (PEL) data for Antimycin A.

Symptoms of Antimycin A include irritation of the mucous membranes and upper respiratory tract.



Pictogram:



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Hazard: Toxic

Possible Routes of Entry

Inhalation, eye/skin contact, ingestion

If any part of your body comes in contact with Antimycin A, call the Amherst College Emergency phone number 413-542-2111. Also call this number if you begin to feel ill after working with or in the vicinity of Antimycin A

Inhalation

If inhaled, move to fresh air, and get help. if you begin to feel ill during / after working with Antimycin A, Call the Amherst College Police Department (ACDP) at x2111 to report it

Eye contact

Use eyewash to flush eyes with water for at least 15 minutes

Skin Contact

Wash skin with plenty of water for 15 minutes. Use safety shower, if needed.

Ingestion

Do not induce vomiting

Storage and Special Handling

Store at -20 deg. Celsius or in accordance with information listed on the container / SDS

Store in a tightly closed container.

Store away from strong oxidizers

Do not store on shelf

Special Handling

Thoroughly wash hands with soap and water before leaving the lab

Do not handle cell phones or other devices while working with this product

Do not touch skin while/after using this product unless hands have been thoroughly washed



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Limit the touching of surfaces, clothing, body, personal items, door handles, lab materials while using this product

Spill clean up

Please do not attempt to clean up an Antimycin A spill (regardless of volume or concentration) due to its high toxicity

Contact Jason Williams (x2736) or call the emergency phone number, x2111 to report any spills of these compounds

Alert everyone in the area

Leave the room

Close the door behind you

Call Jason Williams (Chemical Hygiene Officer) or The Amherst College emergency number (x2111) to report it.

Disposal

Disposable pipets, pipet tips, and any other disposable devices that come into contact with Antimycin A may be disposed of in the regular trash, provided that they are dry and not grossly contaminated.

May be disposed of in your Aqueous waste container provided that contents are compatible

Contact the Chemical Hygiene Officer if you have questions regarding the disposal of these compounds

If you have Antimycin A that you no longer need, contact the Chemical Hygiene officer

Questions

Contact Jason Williams or Environmental Health and Safety if you have any questions about this SOP or this compound.

AMHERST COLLEGE



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