University Research Compliance
Biosafety Office

Acremonium strictum
Pathogen Safety Data Sheet

Pathogenicity/Toxicity

A. strictum is a opportunistic pathogenic fungus, it is an agent of hyalohyphomycotic and has been identified as an increasingly frequent human pathogen in immunosuppressed individuals, causing localized, disseminated and invasive infections, can infect immunocompetent individuals, as well as neonates.

Hazard Identification

Epidemiology	North and Central America, Asia, Europe and Egypt.
Host Range	Plants and animals, including humans.
Transmission	Usually by traumatic inoculation of the fungus.
Infectious Dose	Unknown.
Incubation Period	Unknown.
Communicability	Not likely.

Stability/Viability

Drug Susceptibility	Azole antifungals and amphotericin B lipid complex.
Drug Resistance	Resistant to several drugs.
Susceptibility to Disinfectants	Resistant to several disinfectants, Hypochlorite works well.
Physical Inactivation	High temperatures.
Survival Outside Host	*Acremonium strictum* can survive in soil indefinitely.

First Aid/Medical

Immunization	None
Prophylaxis	None
Treatment	Surgical removal of the infected area, paired with antifungal therapy, disseminated disease typically have a grave prognosis.

Laboratory Hazards

Laboratory Acquired Infections (LAIs)	No cases reported.
Primary Hazards	Accidental parenteral inoculation.
Special Hazards	None

Exposure Controls

Containment	BSL-2 facilities, equipment and practices for work with infectious materials animals or cultures.
Required PPE	At minimum, gloves, closed toed shoes and lab coat, eye protection when potential splashes or aerosol.
Other Precautions	Use of BSC for procedures that may produce aerosols & those that involve high concentrations/large volumes; limited sharps usage

Exposure Procedures

Personnel Exposure	In the event that a substance enters the mouth, eyes, lungs, or penetrates/makes contact with skin: • Alert others in the lab • Remove contaminated PPE & clothing • Flush eyes/mouth with water for 5 min or wash exposed skin with soap & water
Reporting	Report immediately to the PI or lab/facility manager. Report to the Biosafety Office with 48 hours. Complete an Employee Injury Report form (if required) and submit to EHS.
Emergency Assistance	Emergency assistance can be obtained by dialing 911.
Medical Follow-up	**During Business Hours** University Health Services 1202 W. Farm Road Stillwater, OK 74078 **After Business Hours** Stillwater Medical Center ER 1323 W. 6th Ave. Stillwater, OK 74074

OSU Biosafety Office Contacts

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