

MSDS for Penitrem A

	Section 1. Product and Company Information
Name:	Penitrem A
CAS Number:	12627-35-9
Catalog Code:	PEN
Company Identification	Fermentek Ltd, See page footer for contact details
	Section 2. Composition/Information on Ingredient
EINECS	Not listed
Chemical Formula:	C ₃₇ H ₄₄ CINO ₆
Chemical Class:	Indole
	Section 3. Hazards Identification
Warning	The physical, chemical and toxicological effects of this product have not been fully investigated. Exercise appropriate precautions to prevent opportunities for inhalation, ingestion, or direct contact with skin or eyes
Acute Health Effects	The effects of this compound in humans are unknown. In laboratory animals this compound can cause mycotoxin-induced intoxication. The symptoms of which include, diminished activity and immobility followed by hyperexcitability, convulsions, muscle tremors, ataxia, and tetanic seizures
Chronic Health Effects	Unknown
	Section 4. First Aid Measures
Eye Contact	Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.
Skin Contact	Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately
Inhalation	Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.
Ingestion	Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.
	Section 5. Fire and Explosion Data
Flammability	Not Available
Flash Point	Not Available
Combustion products	CO, CO ₂ , NO,NO ₂ ,
Extinguishing Media	Carbon Dioxide, Dry chemical powder, polymer foam, water spray

Special Firefighting Procedures	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire/Explosion Hazards	None known
Section 6 - Accidental Release Measures	
Cleanup Procedures	Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed
Waste Disposal Method	Observe all Federal, State and Local regulations concerning the disposal of this product. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete
Section 7 - Handling and Storage	
Protective Equipment	For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.
Storage and Handling	This product should be kept in a tightly closed container. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling this material Store at -18oC
Section 8 - Exposure Controls / Personal protection	
General	Use only in a chemical fume hood. Safety shower and eye bath. Use adequate ventilation to keep airborne concentrations low
Personal protective equipment	<ul style="list-style-type: none"> • Respiratory: Government approved respirator. • Hand: Compatible chemical-resistant gloves. • Eye: Chemical safety goggles.
Section 9. Physical Data	
Appearance	white crystalline powder
Molecular Weight	634
Melting	230c
Solubility	DMSO, Ethanol, Aceton
Section 10. Stability and Reactivity Data	
Stability	This material is stable if stored as directed
Conditions to Avoid	Excess heat, incompatible materials, strong oxidizers
Incompatibles	Reactive with oxidizing agents, acids, alkalis.
Hazardous polymerization	Will not occur
Section 11 - Toxicological Information	

Toxity data	Organism Route	LD50	Source
	Chicken oral	42mg/kg	Veterinary and Human Toxicology. Vol. 32(Suppl), Pg. 63, 1990.
	Dog intraperitoneal	0.5mg/kg	Toxicology and Applied Pharmacology. Vol. 35, Pg. 311, 1976
	Mouse oral	10mg/kg	"Toxicology, Biochemistry and Pathology of Mycotoxins," Uraguchi, K. and M. Yamazaki, eds., New York, John Wiley & Sons, Inc., 1978Vol. -, Pg. 108, 1978.
	Mouse intraperitoneal	1.1mg/kg	Clinical Toxicology. Vol. 17, Pg. 45, 1980.
Section 12 - Ecological Data			
Ecotoxicological Information:	None Available		
Section 13 - Disposal Considerations			
Appropriate method of disposal of substance or preparation	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.		
Section 14 - Transport Information			
US DOT			
Section 15-Regulatory Information			
European information			
Section 16 -Other Information			
Disclaimer	For R&D use only. Not for drug, household or other uses		
Warranty	<p>DISCLAIMER</p> <p>For R&D use only. Not for drug, household or other uses. For use only by trained personnel.</p> <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The burden of safe use of this material rests entirely with the user. Fermentek shall not be held liable or any damage resulting from handling or from contact with the above product.</p>		