

Safety Data Sheet: *Paxilline*

Section 1. Identification of the substance/mixture and of the Company

Product identifiers			
Product name	<i>Paxilline</i>	EC Number #	637-206-0
Product Code	PA	Formula	C ₂₇ H ₃₃ NO ₄
CAS #	57186-25-1	M.W.	435.6
Source organism	<i>Penicillium paxilli</i>	RTECS	DJ2830000
More info	Do not confuse the small molecule Paxilline with a protein Paxillin		

Intended uses of the substance or mixture and uses advised against	
Intended use	Uses advised against:
Only for Research and/or Development	Not for drug Not to be used in humans or animals. Not food additive

Details of the supplier of the safety data sheet	Emergency Telephone number
FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	For chemical emergency spill, leak, fire, exposure, or accident calls CHEMTREC day or night: Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887
This company is the manufacturer of the product, and the supplier of the safety data sheet	

Reach: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

Section 2. Hazards identification

Classification of the substance or mixture

GHS Classification:

Acute Toxicity, Oral	(Category 2)	H301	Toxic if swallowed
Acute Toxicity, Inhalation	(Category 3)	H331	Toxic if inhaled.
Acute Toxicity, Dermal	(Category 3)	H311	Toxic if in contact with skin.
Serious eye damage	(Category 2a)	H319	Irritating to eyes

GHS Label elements, including precautionary statements

Pictogram:  Signal word: {DANGER}

GHS Hazard Statements

H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Irritating to eyes.
H335	STOT single exposure.

GHS Precautionary Statements

P261	P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	P280 Wear protective gloves/ eye protection/ face protection.

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311	Call a POISON CENTER /doctor.

Section 3. **Composition/information on ingredients**

Substance	
Substance name:	Paxilline
	CAS Registry #:57186-25-1
	Molecular Formula: C₂₇H₃₃NO₄
	Molecular Weight: 435.6
	Acute Toxicity, Oral (Category 3 H301)
	Acute Toxicity, Inhalation (Category 3) H331
	Acute Toxicity, Dermal (Category 2) H315
	Skin irritation (Category 2), H315
	Irritating to eyes (Category 2a), H319
	STOT single exposure (Category 3), H335
Mixture	Not mixture.

Section 4. **First Aid Measures**

Description of First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Ingestion:	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Call a physician
Inhalation:	Immediate medical attention is required Remove to fresh air If not breathing, give artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary Call a physician Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician
Skin Contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Section 5. **Fire-fighting measures**

Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None
Hazardous combustion products	Carbon oxides, Nitrogen oxides (NO _x)
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

Section 6. *Accidental release measures*

Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment as required. Keep people away from and upwind of spill/leak.
Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment:	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up:	Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

Section 7. *Handling and storage*

Precautions for safe handling

Advice on safe handling:	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.
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Conditions for safe storage, including any incompatibilities

Storage Conditions:	Keep container tightly closed in a dry and well-ventilated place. Store at -20 °C. Light sensitive Keep out of the reach of children.
Incompatible materials:	None known based on information available

Section 8. *Exposure Controls/Personal Protection*

Exposure Limits	No occupational exposure limits are listed for this material. OSHA Permissible Exposure Limits No Data Available NIOSH Recommended Exposure Limits No Data Available ACGIH Threshold Limit Values No Data Available
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels low.
Appropriate engineering controls	Showers, Eyewash stations, Ventilation systems
Work/Hygienic Practices	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work

Personal protective equipment

Eye Protection:	Safety glasses
Hand protection:	Protective Gloves: Compatible chemical-resistant gloves
Body Protection:	Protective Clothing: Lab coat
Respiratory protection:	Respiratory Equipment :NIOSH approved respirator

Section 9. *Physical and chemical properties*

Physical / chemical properties

Physical State at room temperature	Solid / powder
Appearance	powder

Color	White to offwhite
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No further safety relevant data are available

Section 10. *Stability and reactivity*

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Heat, flames and sparks. Sunlight.
Incompatible materials:	Strong reducers and oxidizers
Possibility of Hazardous Reactions :	None under normal processing
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides

Section 11. *Toxicological information*

Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied.

Acute Toxicity	
Oral	Mouse, Oral, LD50>227 mg/kg / "Toxicology, Biochemistry and Pathology of Mycotoxins," Uraguchi, K and M. Yamazaki, eds., New York, John Wiley & Sons, Inc., 1978 ; Volume(issue)/page/year: -,108,1978
Skin corrosion/irritation:	No quantitative experimental data available
Serious eye damage/eye irritation:	No quantitative experimental data available. No data present in RTECS.
Respiratory or skin sensitization:	No quantitative experimental data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the or identified as a known or anticipated carcinogen by the IARC
Reproductive toxicity / Teratogenicity:	No data available
STOT-SE – single exposure (GHS):	Inhalation – Respiratory tract. May cause respiratory irritation.
STOT-RE – repeated exposure (GHS):	No data available
Aspiration hazard:	No data available
Additional information:	RTECS: DJ2830000

Section 12. *Ecological Information*

Eco-Toxicity	No further relevant information available
Other adverse effects	No further relevant information available.

Section 13. *Disposal Considerations*

Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product

Section 14. *Transport information*

UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number UN proper shipping name	3462 Toxins, extracted from living sources, solid, n.o.s. (Paxilline)	3462 Toxins, extracted from living sources, solid, n.o.s. (Paxilline)	3462 Toxins, extracted from living sources, solid, n.o.s. (Paxilline)	3462 Toxins, extracted from living sources, solid, n.o.s. (Paxilline)
Transport Hazard Class & Packing Group	6.1 Pg II	6.1 Pg II	6.1 Pg II	6.1 Pg II
			Not marine pollutant	

Additional information

Excepted quantities (EQ)	Code: E5	Maximum net quantity per inner packaging: 1 g	Maximum net quantity per outer packaging: 300 g
De Minimis Quantities exemption	When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore, packaging does not have to be labeled as Dangerous Goods/Excepted Quantity		

Section 15. *Regulatory information*

Safety, health and environmental regulations/legislation

USA/ TSCA	This product is not listed on the USA TSCA ("For research only")
SARA 302	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313
SARA 311/312	Acute health hazard, chronic health hazard.
EU ECHA Status	This product is registered with the EU ECHA under number 637-206-0637-206-0637-206-0637-206-0
CA: DSL/NDSL Status	This product is not listed on the Canadian DSL/NDSL

Substance specific safety, health and environmental regulations/legislation

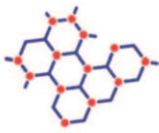
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	Neither banned nor restricted
Restrictions on the marketing and use of certain dangerous substances and preparations	Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Neither banned nor restricted
Candidate List of Substances of Very High Concern for Authorisation	Neither banned nor restricted

Section 16. *Other information*

Date of revision: Monday, 7 September, 2020

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given here is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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End of SDS-----

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