



Pemitrem B

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Sections

Identification of the Substance and the Manufacturer 1.

1.1. **Product identifiers**

Product name	Penitrem B	Formula		C37H45NO5
Product Code	PEB	Molecular wei	ght	158.11 g/mol
CAS#	11076-67-8	Mixture?		Substance
ECHA#	Not listed/7 2024	<u>PUBCHEM</u>		<u>3084087</u>
<u>T3DB</u> #	<u>T3D3733</u>	<u>RTECS</u>		RY7537000
Comptox EPA	DTXSID00911849			
Synonyms	Tremortin B	Penitrem B		•
	(1S,2R,5S,6S,8R,9S,10R,12S,15R,16S,25S,27S,28S)-15,16,33,33- tetramethyl-24-methylidene-10-prop-1-en-2-yl-7,11,32-trioxa-18- azadecacyclo[25.4.2.02,16.05,15.06,8.06,12.017,31.019,30.022,29.025,28] tritriaconta-17(31),19(30),20,22(29)-tetraene-5,9-diol			
Source	From: Penicillium Pa	alitans	Version Dat	te 20 August, 2024

Intended uses of the Substance and uses advised against *1.2.*

1.2.2. Uses advised against: *1.2.1.* Intended use:

Research and development. Not a drug,

Not a food additive Laboratory reagent.

Reference material. Not to be used in humans or animals.

Manufacturing of substances. To be used by professionals only

1.3. **Contacts**

Israel

1.3.1. Details of the supplier of the SDS

Tel: +972 2 5853953 FERMENTEK ltd

Fax: +972 2 5853943 4 Yatziv street, POB 47120

eMail: Fermentek@Fermentek.com Jerusalem 97800, Safety@Fermentek.com

Fermentek.com Website:

This company is the manufacturer of the product and the supplier of the safety data sheet

1.3.2. Emergency Telephone number

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













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- *2*. Hazards' identification.
- *2.1.* Classification of the Substance.
- GHS Classification: According to EU Reg. 1272/2008 and US OSHA 1910.1200) 2.1.1.

Accute toxicity: Oral Category 3 H301 Toxic if swallowed

- GHS Label elements, including precautionary statements *2.2.*
- Signal word: {Danger} 2.2.1.
- 2.2.2. Hazard Statements

H301 Toxic if swallowed

2.2.3. **GHS Precautionary Statements**

P203	Obtain, read and follow all safety instructions before use.
P261	Avoid breathing dust or mist.
P264	Wash {hands} thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face

GHS Response Phrases: 2.2.4.

P301+P316, IF SWALLOWED: Get emergency medical help immediately.

P330 Rinse mouth.

Composition/information on ingredients 3.

Substance	
Substance Name:	Penitrem B
Concentration	<=100%
CAS Registry#:	11076-67-8
EC#:	Not listed/7 2024
Molecular Formula:	C37H45NO5
Molecular Weight:	158.11 g/mol
Classification	Acc O:3 (H301)
Mixture?	Substance

4. First Aid Measures.

4.1. Description of First Aid Measures.

General advice: First-aiders need to protect themselves. If medical attention is required, show this safety data sheet to the doctor in attendance.













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Eye contact:	Rinse out with plenty of water. Remove contact lenses.
Skin Contact:	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Ingestion:	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.
Inhalation:	If inhaled, move the person into fresh air.

Most important symptoms and effects, both acute and delayed *4.2.*

General symptoms See section 11

Indication of any immediate medical attention and special treatment needed *4.3*.

Note to physicians No data available

Fire-fighting measures. *5*.

Extinguishing media. *5.1*.

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None known

Other information *5.2.*

Hazardous combustion products	Carbon oxides, Nitrogene oxides C37H45NO5
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Personal precautions	Use personal protective equipment as required. Keep people away from
	and upwind of spill/leak.

6.2. **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 *6.3.*

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













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7. Handling and storage

7.1. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

Keep out of the reach of children.

Store at -20 °C.

Suitable packaging Must only be kept in original packaging.

Incompatible materials: None known based on information available.

Exposure Controls/Personal Protection 8.

8.1. Control parameters

Control parameters Components with workplace control parameters

8.2. Exposure controls

Appropriate engineering controls

Showers, Eyewash stations, Ventilation systems Avoid contact with skin, eyes, and clothing.

Wash hands before breaks and immediately after handling the product.

Use fume-hood for routine work.

8.3. Personal protective equipment

[PPE=Personal Protection Equipment]

PPE: Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
PPE: Hand Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper

glove removal techniques to avoid skin contact with this product. Dispose

of contaminated gloves after use in accordance with applicable laws and

good laboratory practices, and wash and dry hands

PPE: Eye Protection: Use a face shield and safety glasses. Use equipment for eye protection

tested and approved under appropriate government standards such as

NIOSH (US) or EN 166 (EU)













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PPE: Skin and Body Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

9. Physical and chemical properties

Physical/chemical properties *9.1*.

Physical State/room temp. Powder, White **Appearance** No further safety relevant data are available

Stability and reactivity *10*.

2	
Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight.
Incompatible materials	Strong reducers and exidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous combustion products	See section 5

11. Toxicological information

11.1. Information on toxicological effects

To the best of our knowledge, the toxicological effects of this product have not been thoroughly studied yet.

11.1.1. Acute Toxicity

Acute toxicity:	Oral, Mouse, LD50=50 mg/kg, estimated from Intraperitoneal LD50 No other acute toxicity available. No symptoms reported.
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization/corrosion:	No data available
11 1 2 Chronic tovicity	

11.1.2. Chronic toxicity

No data available Chronic toxicity

11.1.3. CRM (Carcinogene, Mutagene, Reproductive hazards)

Germ cell mutagenicity: No data available Carcinogenicity: Not classified by IARC













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Reproductive toxicity / No data available
Teratogenicity:

11.2. Additional information

RTECS number RY7537000

General symptoms No data available

12. Ecological Information

Eco-Toxicity No data available
Other adverse effects No data available

13. Disposal Considerations

13.1. Waste treatment methods

Waste Disposal Dispose of in accordance with local regulations

Contaminated packaging Dispose of as unused product

14. Transport information

14.1. UN Number, Proper Shipping Name, Transport Hazard Class, packing group

UN Number UN proper shipping name	UN 2811-Toxic Solid, Organic, N.O.S. (Penitrem B)
Transport Hazard Class & Packing Group	Class 6.1 (Poison); Packing group III

ADR/RID	IATA	IMDG	US DOT
No information available	J	J	J

15. Regulatory information

15.1. Safety, health, and environmental regulations/legislation

USA EPA / TSCA	This product is not listed on the USA EPA TSCA (it is for research)
EU ECHA Status	This product is Not listed/7 2024 REACH: Neither Registered nor PreRegistered. ANNEX III (criteria for 1 - 10 tonne registered substances): Not Listed

16. Other information

16.1. Version information

Version date:8/2024 New product; first SDS version

16.2. Department issuing this SDS

Quality systems and regulatory affairs

16.3. General 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.











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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 proces, unless specified in the text.

16.4. The users'/employers' responsibility:

A risk assessment should be performed by the employer/user prior to the use of this product.

All recommendations included in this document, are advisory in nature.

The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace.

16.5. No-Copyright statement



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16.6. Abbreviations and acronyms:

Acute toxicity
Chemical Abstracts Service
CompTox Chemicals Dashboard Resource Hub (EPA)
US Department of Transportation
European Chemicals Agency
European Inventory of Existing Commercial Chemical Substances
United States Environmental Protection Agency
Serious eye damage/eye irritation
Hazardous Substances Data Bank
Hazardous Materials Identification System (USA)
International Air Transport Association
International Maritime Code for Dangerous Goods
Lethal concentration, Median
Lethal dose, Median
Letal dose, leatst published
Not dangerous goods (for transport)
National Fire Protection Association USA
National Institute for Occupational Safety
Occupational Safety & Health
Persistent, Bioaccumulative, and Toxic
Permissible Exposure Limit
Recommended Exposure Limit
Reproductive toxicity
Registry of Toxic Effects of Chemical Substances
Skin corrosion/irritation













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STOT/SE	Specific target organ toxicity/Single exposure
STOT/RE	Specific target organ toxicity/Repeated exposure
T3DB	Toxin and Toxin Target Database
TDL0	Toxic dose, least published

16.7. End of SDS







