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SDS- Safety Data Sheet for: Fermentek | Tunicamycin

Section 1.	Product and Company Information
Product Name:	Fermentek Tunicamycin
Product catalogue code	TU
Recommended uses	For research use. For manufacturing of chemicals.
Uses advised against:	Not for drug use. Not for household use.
CAS Number:	11089-65-9
Company Identification Manufacturer and SDS-supplier	Fermentek ltd, Yatziv 4 st., Atarot industrial zone, Jerusalem Israel 97800. POB 47120 Tel.+97225853953 Fax.+97225853943 Fermentek@Fermentek.com
Section 2.	Hazards Identification
Classification	
Emergency overview	
OSHA Regulatory Status	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Potential health effects	
Eyes	n.a.
Skin	Category 2
Inhalation	Category 2
Ingestion	Category 2
Reproductive Toxicity	Category 1B
Chronic Toxicity	n.a.
Environmental Hazard	(See section 12: ecological information.)
GHS Label elements, including precautionary statements	
Signal Word	Danger
Hazard statements	<ul style="list-style-type: none"> Fatal if swallowed Fatal in contact with skin Fatal if inhaled May damage fertility or the unborn child
Precautionary Statements	<ul style="list-style-type: none"> Obtain special instructions before use Use personal protective equipment as required Wear protective gloves and protective clothing IF exposed or concerned: Get medical advice/attention IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician IF ON SKIN: Gently wash with plenty of soap and water
Section 3.	Composition/Information on Ingredient
EINECS	N.A.
Chemical Formula:	C ₃₉ H ₆₀ N ₄ O ₁₆
CAS Number:	11089-65-9
Chemical nature:	(Pure) Substance


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	Component	CAS#	
	Tunicamycin	11089- 65- 9	99% to 100% by weight
Section 4. First Aid Measures			
General advice	Do not breathe dust/fume/gas/mist/vapours/spray; avoid bodily contact.		
Eye Contact	Act Immediately. 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, CO2, NO,NO2,		
Extinguishing Media	Carbon Dioxide, Dry chemical powder, polymer foam, water spray		
Special Fire-fighting 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			
Clean-up 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		
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas		
Methods for containment	Prevent further leakage or spillage if safe to do so.		
Methods for cleaning up	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.		
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	It 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 Engineering controls	Safety shower and eye bath need to be at hand. Use adequate ventilation to keep airborne concentrations low		
	Personal protective equipment		
Respiratory:	Government approved respirator. Ensure adequate ventilation, especially in confined areas		
Hand	Compatible chemical-resistant gloves		
Eye:	Tight sealing Chemical safety goggles		
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice		
Section 9 Physical Data			
Appearance	Solid		
Melting point	230°C to 240°C		
Flash point	427.48 °C (Calculated)		


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Section 10.	Stability and reactivity
Reactivity	Not applicable
Stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with oxidizing agents.
Conditions to avoid	Heat; direct sunlight.
Decomposition Products	Carbon oxides. Nitrogen oxides (NOx).
Hazardous polymerization	Hazardous polymerization does not occur
Eco toxicological Information:	None Available
Section 11	. Toxicological information
Information on likely routes of exposure	Inhalation: May be fatal if inhaled. Skin contact: May be fatal if absorbed through skin. Ingestion: May be fatal if swallowed. Eye contact: There is no data available for this product.
Toxicity (empiric data)	Mouse; subcutaneous, LD50=0.2 mg/kg
Delayed and chronic toxicity	
Mutagenic effects:	N.A.
Carcinogenicity	Not identified as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	May cause birth defects. May impair fertility.
Chronic Toxicity	Prolonged or repeated exposure increases the risk. Possible risks of irreversible effects.
Target Organ Effects	Liver, Systemic Toxicity, Reproductive system.
Neurological effects	N.A.
Aspiration Hazard	N.A.
Section 12.	Ecological information
Eco-toxicity:	The environmental impact of this product has not been fully investigated
Section 13	Disposal Considerations
Appropriate method of disposal of substance or preparation	Contact a licensed professional waste disposal service to dispose of this material Observe all federal, state, and local environmental regulations
Section 14.	Transport Information
US DOT	
UN number	UN3462
UN proper shipping name	Toxins, extracted from living sources, solid, n.o.s. (Tunicamycin)
Transport hazard class	6.1
Packing Group	II
Special precautions for user	141, IB8, IP2, IP4, T3, TP33
Emergency Response Guide Number	153
IATA	
UN number	UN3462
UN proper shipping name	Toxins, extracted from living sources, solid, n.o.s. (Tunicamycin, lysosuperficus)
Transport hazard class(es)	6.1
Packing Group	II
Special precautions for user	A3, A43
Section 15.	Regulatory Information
US Federal Regulations	TSCA: not listed; NDSL not listed ; DSL not listed
SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.


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SARA 311/312 Hazard Categories	Acute Health Hazard	Yes
	Chronic Health Hazard	Yes
	Fire Hazard	No
	Sudden Release of Pressure Hazard	No
	Reactive Hazard	No

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Section 16. Other Information

Warranty

DISCLAIMER

For R&D and manufacturing use only. Not for drug, household or other uses. For use only by trained personnel.

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.

Review: 8.dec 2015 MGur