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Material Safety Data Sheet (MSDS) for Thiostrepton A

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MSDS- Material Safety Data Sheet for: Thiostrepton A

	Section 1. Product and Company Information			
Name:	Thiostrepton			
CAS Number:	1393-48-2			
Catalog Code:	TS			
Synonyms				
Company Identification	Fermentek ltd,			
company racmanearing	Yatziv 4 st, Atarot industrial zone, Jerusalem Israel 97800. POB 47120 Tel. +97225853953 Fax. +97225853943 Fermentek@fermentek.com			
	Section 2. Composition/Information on Ingredient			
Chemical Formula:	$C_{72}H_{85}N_{19}O_{18}S_5$			
Chemical Class:	Natural oligopeptide antibiotic			
RTECS	XN6300100			
	Section 3. Hazards Identification			
Emergency overview	May be harmful if swallowed.			
HMIS rating	health: 1; Flammability: 1; Reactivity: 0 Personal protection;			
Eve Contact	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	May be combustible at high temperature.			
Flash Point	Not Available			
Combustion Products	CO, CO ₂ , NO,NO ₂ ,			
Firefighting Procedures	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.			
Unusual Fire Hazards	None known			
	<u>Section 6 - Accidental Release Measures</u>			
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			



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	Sect	ion 7 - H	landling	and Storage	
Protective Equipment					
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 Keep container tightle closed. Keep container in a cool, well-ventilated area. Do not store above 8°C				
	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	Respiratory: Government approved respirator. Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles.				
	Section 9. Physical Data				
Appearance		off white pow	_		
Molecular Weight	·				
Melting	decomposes at 246-256°C				
Solubility	·				
	Section 10. Stability and Reactivity Data				
Stability	This material is stable if stored as directed				
Conditions to Avoid	Excess heat, incompatible materials, strong oxidizers, direct light				
Incompatibles					
Hazardous polymerization					
nuzuruous polymenzution	Section 11 - Toxicological Information				
			<u>I OXICOI</u>	<u>ogical information</u>	
RTECS#:	XN6300100				
Route of exposure	Skin contact: Not known. Ingestion: may be harmful if swallowed.				
Chronic toxicity	Repeated or prolonged exposure is not known to aggravate medical condition				
	Carcinogenic effects: Not available Mutagenic effects: Not available Reproduction toxicity: Not available Teratogenic effects: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.				
	No specific information is available in our database regarding the other toxic effects of this material fo humans				
	0	Dt	LDEO	Source	
Toxity data	Orga- nism	Route	LD50	3341.60	
Toxity data		intra- muscular	1000mg/kg	"CRC Handbook of Antibiotic Compounds," Vols.1- , Berdy, J., Boraton, FL, CRC Press, 1980Vol. 4(1), Pg. 397, 1980.	
Toxity data	nism	intra-		"CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bo Raton, FL, CRC Press, 1980Vol. 4(1), Pg. 397, 1980.	
Toxity data	nism	intra- muscular intra-	1000mg/kg 2000mg/kg	"CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bo Raton, FL, CRC Press, 1980Vol. 4(1), Pg. 397, 1980. "CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bo	
Toxity data	mouse mouse	intra- muscular intra- peritoneal oral	1000mg/kg 2000mg/kg 1000mg/kg	"CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bor Raton, FL, CRC Press, 1980Vol. 4(1), Pg. 397, 1980. "CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bor Raton, FL, CRC Press, 1980Vol. 4(1), Pg. 396, 1980. Antibiotics and Chemotherapy Vol. 6, Pg. 63, 1956.	
Toxity data Ecotoxicological Information:	mouse mouse	intra- muscular intra- peritoneal oral	1000mg/kg 2000mg/kg 1000mg/kg	"CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bo Raton, FL, CRC Press, 1980Vol. 4(1), Pg. 397, 1980. "CRC Handbook of Antibiotic Compounds," Vols.1-, Berdy, J., Bo Raton, FL, CRC Press, 1980Vol. 4(1), Pg. 396, 1980.	



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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	·			
US DOT	The state of the s			
IATA	Not controlled under IATA.			
	Section 15-Regulatory Information			
USA classification	Label text indication of danger: harmful.			
•	Risk statements: harmful if swallowed.			
	Safety statements: wear suitable protective clothing.			
USA regulatory information	SARA not listed			
	TSCA not listed			
EU additional classification	This product is not classified according to the EU regulations.			
	Section 16 -Other Information			
Disclaimer	For R&D use only. Not for drug, household or other uses			
Warranty	DISCLAIMER			
	For R&D 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.			

19. November. 2015 MGur

Review: