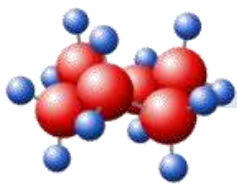
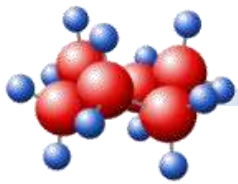


## MSDS- Material Safety Data Sheet for: Blastidicin S

	<i>Section 1. Product and Company Information</i>
<b>Company identification</b>	Fermentek Ltd Yatziv 4, POB 47120, Jerusalem, Israel +97225853953; fax +97225853943 Email fermentek@fermentek.com
<b>Name:</b>	Blastidicin S Hydrochloride
<b>CAS Number:</b>	2079-00-7
<b>Cat. Code:</b>	BL
	<i>Section 2. Composition/Information on Ingredient</i>
<b>EINECS/ELINCS</b>	N.A.
<b>Chemical Formula:</b>	C17H26N8O5HCl
<b>Chemical Class:</b>	Nucleoside
<b>RTECS</b>	EC4900000
	<i>Section 3. Hazards Identification</i>
<b>Emergency overview</b>	The toxicological properties of this material have not been fully investigated.
<b>Inhalation</b>	May cause respiratory and digestive tract irritation.
<b>Skin</b>	May cause eye and skin irritation. May be harmful if absorbed through the skin.
<b>Ingestion</b>	<b>Danger!</b> May be fatal if swallowed.
<b>Eye:</b>	May cause eye irritation
<b>Target Organs:</b>	Unknown
<b>Carcinogenicity</b>	Not reported
	<i>Section 4. First Aid Measures</i>
<b>Eye Contact</b>	Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.
<b>Skin Contact</b>	Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
	<i>Section 5. Fire and Explosion Data</i>
<b>Flammability</b>	Not Available
<b>Flash Point</b>	Not Available
<b>Combustion products</b>	CO, CO2, NO,NO2,
<b>Extinguishing Media</b>	Carbon Dioxide, Dry chemical powder, polymer foam, water spray
<b>Special Firefighting Procedures</b>	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>Unusual Fire/Explosion Hazards</b>	None known
	<i>Section 6 - Accidental Release Measures</i>
<b>Clean-up Procedures</b>	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
<b>Waste Disposal Method</b>	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
	<i>Section 7 - Handling and Storage</i>



<b>Protective Equipment</b>	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.
<b>Storage and Handling</b>	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
<b>Disposal</b>	Avoid raising dust. Ventilate area, wash site after material
<b>Section 8 - Exposure Controls / Personal protection</b>	
<b>General</b>	Use only in a chemical fume hood. Safety shower and eye bath. Use adequate ventilation to keep airborne concentrations low
<b>Personal protective equipment</b>	Respiratory: Government approved respirator. Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles.
<b>Section 9. Physical Data</b>	
<b>Appearance</b>	Off white powder
<b>Molecular Weight</b>	458.7
<b>Molecular Formula</b>	C17H26N8O5HCl
<b>Solubility</b>	Water, Acetic acid
<b>Section 10. Stability and Reactivity Data</b>	
<b>Stability</b>	This material is stable if stored as directed
<b>Conditions to Avoid</b>	Excess heat, incompatible materials, strong oxidizers
<b>Incompatibles</b>	Not Available
<b>Hazardous polymerization</b>	Will not occur
<b>Section 11 - Toxicological Information</b>	
<b>RTECS#:</b>	EC4900000
<b>Skin Contact</b>	May cause skin irritation
<b>Skin Absorption</b>	
<b>Eye Contact</b>	May cause eye irritation
<b>Inhalation</b>	Material may be irritating to mucous membranes and upper respiratory tract.
<b>Ingestion</b>	May be fatal if swallowed
<b>Target organ</b>	Unknown
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
<b>Toxicological data</b>	Mouse, Oral, LD50= 10.1 mg/kg Rat, Oral, LD50=16mg/kg Rat, Skin, LD50>500mg/kg
<b>Section 12 - Ecological Data</b>	
<b>Eco-toxicological Information:</b>	None Available
<b>Section 13 - Disposal Considerations</b>	
<b>Appropriate method of disposal of substance or preparation</b>	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.
<b>Section 14 - Transport Information</b>	
<b>Non-Hazardous for transport</b>	This substance is considered to be non-hazardous for transport
<b>US DOT</b>	DOT regulated - small quantity provisions apply (see 49CFR173.4)
<b>UN</b>	UN2811, toxic solid, Organic, NOS (Blastocidin S), 6.1; II



<b>Section 15 - Regulatory Information</b>	
<b>US TSCA</b>	Not listed. For research only.
<b>European International Regulations</b>	<p><b>Hazard Symbols:</b> T+</p> <p><b>Risk Phrases:</b> R 25 Toxic if swallowed.</p> <p><b>Safety Phrases:</b> S 37 Wear suitable gloves. S 45 In case of accident or if you feel unwell, seek medical advice; immediately (show the label where possible). S 28A After contact with skin, wash immediately with plenty of water</p>
<b>Section 16 - Other Information</b>	
<b>Disclaimer</b>	For R&D use only. Not for drug, household or other uses. For use only by trained personnel.
<b>Warranty</b>	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.

**Document Review:** 28.nov.2014 ; MGur