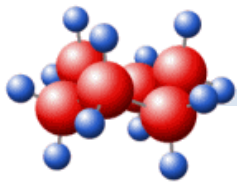
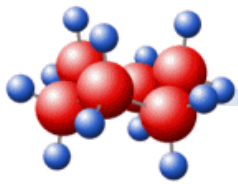


MSDS- Material Safety Data Sheet for: Cytochalasin D

	<i>Section 1. Product and Company Information</i>
Company identification	Fermentek Ltd Yatziv 4, POB 47120, Jerusalem, Israel +97225853953; fax +97225853943 Email fermentek@fermentek.com
Name:	Cytochalasin D
CAS Number:	22144-77-0
Cat. Code:	
	<i>Section 2. Composition/Information on Ingredient</i>
EINECS/ELINCS	244-804-1
Chemical Formula:	C17H22N2O3
Chemical Class:	
RTECS	RO0205000
	<i>Section 3. Hazards Identification</i>
Route Of Entry	
Inhalation	YES
Skin	YES
Ingestion	YES
Carcinogenicity	NO
Effects of Exposure	May be fatal if inhaled, swallowed/absorbed through skin May cause irritation. May affect the liver. Possible teratogen. Highly toxic Possible irreversible effects and teratogen.
Signs and symptoms of overexposure	Irritation
	<i>Section 4. First Aid Measures</i>
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.
	<i>Section 5. Fire and Explosion Data</i>
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 Firefighting Procedures	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.



Unusual Fire/Explosion Hazards	None known
<i>Section 6 - Accidental Release Measures</i>	
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
<i>Section 7 - Handling and Storage</i>	
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	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
Disposal	Avoid raising dust. Ventilate area, wash site after material
<i>Section 8 - Exposure Controls / Personal protection</i>	
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.
<i>Section 9. Physical Data</i>	
Appearance	Off white powder
Molecular Weight	507.6
Solubility	DMSO, Ethanol
<i>Section 10. Stability and Reactivity Data</i>	
Stability	This material is stable if stored as directed
Conditions to Avoid	Excess heat, incompatible materials, strong oxidizers
Incompatibles	Not Available
Hazardous polymerization	Will not occur
<i>Section 11 - Toxicological Information</i>	
RTECS#:	RO0205000
Skin Contact	May cause skin irritation
Skin Absorption	May be fatal
Eye Contact	May cause eye irritation
Inhalation	May be fatal if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	May be fatal if swallowed
Target organ	Liver
To the best of our knowledge, the chemical, physical, and toxicological properties have not	



	been thoroughly investigated
Toxicological data	Mouse, Oral, LD50= 36mg/kg Mouse, Subcutaneous, LD50=1.85mg/kg Rat, Intraperitoneal, LD50=0.9mg/kg
	<i>Section 12 - Ecological Data</i>
Eco-toxicological Information:	None Available
	<i>Section 13 - Disposal Considerations</i>
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.
	<i>Section 14 - Transport Information</i>
Non-Hazardous for transport	This substance is considered to be non-hazardous for transport
US DOT	DOT regulated - small quantity provisions apply (see 49CFR173.4)
	<i>Section 16 - Other Information</i>
Disclaimer	For R&D use only. Not for drug, household or other uses. For use only by trained personnel.
Warranty	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: 13.nov.2014 ; MGur