




MSDS- Material Safety Data Sheet for: Cytochalasin A

Section 1. Product and Company Information	
Company identification	<p>FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel</p> <p>Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com</p>
Product Name:	Cytochalasin A
Catalog Code:	CA
Intended Uses and Uses Advised Against	For research only. Not for drug. Not for human use.
Section 2. Hazards Identification	
Emergency Overview	<p>GHS / CLP - REGULATION (EC) No 1272/2008 Cytochalasin A Acute oral toxicity Category 2 Acute dermal toxicity Category 2 Acute inhalation toxicity - dust/mist Category 2</p> <p>2.1 Product identifier Reproductive toxicity Category 2</p> <p>2.2 Label elements</p> <div style="text-align: center;">  </div> <p>Signal Word : Danger</p>
	<p>Hazard statements H300 - Fatal if swallowed H310 - Fatal in contact with skin H330 - Fatal if inhaled H361 - Suspected of damaging fertility or the unborn child</p>
	<p>Precautionary Statements - EU (§28, 1272/2008) P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water P308 + P313 - IF exposed or concerned: Get medical advice/ attention P260 - Do not breathe dust/fume/gas/mist/vapors/spray P262 - Do not get in eyes, on skin, or on clothing P280 - Wear protective gloves/ eye protection/ face protection P284 - Wear respiratory protection P361 - Remove/Take off immediately all contaminated clothing P264 - Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P403 + P233 - Store in a well-ventilated place. Keep container tightly closed P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P330 - Rinse mouth P501 - Dispose of contents/ container to an approved waste disposal plant P405 - Store locked up</p>



	P363 - Wash contaminated clothing before reuse
	2.3 Other information Caution - substance not yet tested completely
	Section 3. Composition/Information on Ingredient
	3.1 Substances
Chemical name	Cytochalasin A
Concentration by weight	100%
RTECS#:	Not available
CAS Number:	14110-64-6
EINECS/ELINCS:	237-964-9
Molecular Formula:	C29H35NO5
Classification	Acute Tox. 2 (H300 Fatal if swallowed) Acute Tox. 2 (H310 Fatal in contact with skin) Acute Tox. 2 (H330 Fatal if inhaled) Repr. 2 (H361d Suspected of damaging fertility or the unborn child)
	Section 4. First Aid Measures
	4.1 Description of first aid measures
General advice	Immediate medical attention is required.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin Contact	Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately
Eye Contact	Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. 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.
Safety of first-aiders	Use personal protective equipment. Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves.
	4.2 Most important symptoms and effects, both acute and delayed
Main symptoms	No information available
	4.3 Indication of any immediate medical attention and special treatment needed
Notes to physician	Treat symptomatically.
	Section 5. Fire and Explosion Data
	5.1 Extinguishing media
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon Dioxide, Dry chemical powder, polymer foam, water spray
	5.2 Special hazards arising from the substance or mixture
	Thermal decomposition can lead to release of toxic and corrosive gases/vapours, such as CO, CO ₂ , NO, NO ₂
Special protective equipment for fire-fighters	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
	Section 6 - Accidental Release Measures
	6.1 Personal precautions, protective equipment and emergency procedures
	Use personal protective equipment. Avoid contact with the skin and the eyes. Avoid dust formation. Ensure adequate ventilation.



	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
	6.2 Environmental precautions Prevent further leakage or spillage if safe to do so.
Clean-up Procedures	6.3 Methods and materials for containment and cleaning up While 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.
Section 7 - Handling and Storage	
Protective Equipment	7.1 Precautions for safe handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.
Storage and Handling	7.2 Conditions for safe storage, including any incompatibilities This product should be stored in a freezer, -22oC to -16oC; . 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
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
Exposure limits	Information not available
Personal protective equipment	Respiratory: Routinely, not required. If protection from dust is needed, type N95 (US) or type P1 (EN 143) dust masks may be used. Hand: Compatible chemical-resistant gloves. Eye: Safety glasses. Hygiene measures: General industrial hygiene practice.
Section 9. Physical and Chemical Data	
Appearance	White to off white powder or solid; solid at room temperature
Molecular Weight	804.03
Solubility	Soluble in DMSO or methanol. Not soluble in water
Section 10. Stability and Reactivity Data	
Stability	This material is stable if stored as directed.
Conditions to Avoid	Excess heat, incompatible materials, strong oxidizers
Incompatibles	Reactive with oxidizing agents, acids, alkalis.
Hazardous polymerization	Will not occur
Section 11 - Toxicological Information	
RTECS#:	Not available
Acute toxicity:	Very toxic by inhalation, in contact with skin and if swallowed
Carcinogenicity	Cytochalasin A is not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Section 12 - Ecological Data	
Eco-toxicological Information:	None Available
Section 13 - Disposal Considerations	
Appropriate method of disposal of substance or	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



preparation	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 IATA ADR/RID IMDG:	Small quantity exception applicable. Proper Shipping Name: Toxic solids, organic, n.o.s. (Cytochalasin A) UN#: 2811 (or 3462) Class: 6.1 Packing Group: II Marine Pollutant: No Poison Inhalation Hazard: No Technical Name: Required Marine Pollutant: No
Section 15-Regulatory Information	
	15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available 15.2 Chemical Safety Assessment no data available
Section 16 -Other Information	
Warranty	For R&D use only. Not for drug, household or other uses. For use only by trained personnel.
Disclaimer	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: January 2016; MGur