

Material Safety Data Sheet for **Citreoviridin**

	<i>Section 1. Product and Company Information</i>
Company identification	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p><u>Fermentek</u> Ltd, <u>Yatziv 4 st, Atarot</u> industrial zone, Jerusalem Israel 97800. POB 47120</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Tel. +97225853953 Fax. +97225853943 Fermentek@fermentek.com http://fermentek.com</p> </div> </div>
Name:	Citreoviridin
CAS Number:	25425-12-1
Catalog Code:	CI
Synonyms	Citreoviridin A
	<i>Section 2. Composition/Information on Ingredient</i>
Chemical Formula:	C ₂₃ H ₃₀ O ₆
Chemical Class:	Aurovertin class mycotoxin
RTECS	UQ1235000
	<i>Section 3. Hazards Identification</i>
Label precautionary statements	<ul style="list-style-type: none"> • Highly toxic (USA) • Toxic (EU) • Toxic by inhalation, in contact with skin and if swallowed. • Irritating to eyes, respiratory system and skin. • Possible risk of harm to the unborn child. • Danger: Poison • May be fatal or cause blindness if swallowed. Vapor harmful. • Target organs: <ul style="list-style-type: none"> ○ nerves ○ Eyes • In case of accident or if you feel unwell, seek medical advice Immediately • In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. • Wear suitable protective clothing, gloves and eye/face protection. • Do not breathe dust.
	<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>
Combustion Products	CO, CO ₂
Extinguishing	Carbon dioxide, dry chemical powder or appropriate foam.
Fire fighting Procedures	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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Unusual Fire Hazards	May emit toxic fumes under fire conditions.
	Section 6 - Accidental Release Measures
Cleanup 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
	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	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	white crystalline powder
Molecular Weight	736.93
Melting	110+ ₃ °C
Solubility	Citreoviridin is soluble in benzene, ethanol, chloroform, ether, dichloromethane. Citreoviridin is hardly soluble in water (enough to give it yellow color) and hexane
	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#:	UQ1235000
ACUTE EFFECTS	<ul style="list-style-type: none"> • May be fatal if inhaled, swallowed, or absorbed through skin. Causes eye and skin irritation. • Material is irritating to mucous membranes and upper respiratory tract. EXPOSURE CAN CAUSE: <ul style="list-style-type: none"> • Ascending paralysis, vomiting, convulsions, respiratory arrest, cardiovascular disturbances, hypothermia, labored breathing, coma, and death. • Damage to the eyes • Damage to the liver • Damage to the heart damage to the kidneys • May cause convulsions. • Target organ(s): eyes kidneys liver heart nerves
CHRONIC EFFECTS	<ul style="list-style-type: none"> • Overexposure may cause reproductive disorders (based on tests with laboratory animals).

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	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Toxicity data	<p>Mouse, intraperitoneal, LD50= 7.2mg/kg Mouse, oral, LD50=29mg/kg Manifestations: Lungs, thorax, or respiration: other changes Behavioral: convulsions or effect on seizure threshold Peripheral nerve and sensation: flaccid paralysis without anesthesia (usually neuromuscular blockage) Source: Japanese Journal of Experimental Medicine. Vol. 42, Pg. 91, 1972.</p> <p>Source: Research Communications in Chemical Pathology and Pharmacology. Vol. 59, Pg. 31, 1988. Mouse, subcutaneous, LD50=6.9 mg/kg Manifestations: Lungs, thorax, or respiration: dyspnea Behavioral: changes in motor activity (specific assay)</p>
Effects on Reproduction	<p>Effects on fertility (post-implantation mortality) Effects on embryo or fetus (fetotoxicity) effects on embryo or fetus (fetal death) Specific developmental abnormalities (central nervous system) specific developmental abnormalities (craniofacial)</p>
	Section 12 - Ecological Data
Ecotoxicological Information:	None Available
	Section 13 - Disposal Considerations
Appropriate method of disposal of substance or preparation	<p>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.</p>
	Section 14 - Transport Information
US DOT	
	Section 15-Regulatory Information
European information	<p>Caution: Substance not yet fully tested. Toxic Risk statements: R 23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R 36/37/38 : Irritating to eyes, respiratory system and skin. R 63: Possible risk of harm to the unborn child. Safety statements S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S 22: Do not breathe dust. EPA GENETOX program 1988, negative</p>
	Section 16 -Other Information

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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.