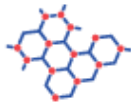


SDS- Safety Data Sheet for: Sinefungin

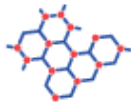
SDS- Safety Data Sheet for: Sinefungin

Section 1. Product and Company Information	
Product Name:	Sinefungin
Product catalogue code	SN
Recommended use	For research use. For manufacturing of chemicals.
Uses advised against:	Not for drug use. Not for household use.
CAS Number:	58944-73-3
Company Identification	Fermentek Ltd, Yatziv 4 st, Atarot industrial zone, Jerusalem Israel 97800. POB 47120 Tel.+97225853953 Fax.+97225853943 Fermentek@fermentek.com
Section 2. Hazards Identification	
Emergency overview	The product contains no substances which at their given concentration, are considered to be hazardous to health
OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Potential health effects	
Eyes	May cause irritation.
Skin	May be harmful in contact with skin.
Inhalation	May be harmful if inhaled.
Ingestion	Harmful if swallowed.
Chronic Toxicity	No known effect.
Environmental Hazard	(See section 12: ecological information.)
NFPA	Health hazards: 1 Flammability: 1 Stability: 0
HMIS	Health hazards: 1 Flammability 1 Physical hazards 0 Personal protection -
Section 3. Composition/Information on Ingredient	
EINECS	Not assigned
Chemical Formula:	C15H23N7O5
Chemical Class:	Nucleoside antibiotic
RTECS#:	HE3140000
Type:	(Pure) Substance



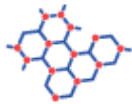
SDS- Safety Data Sheet for: Sinefungin

	Section 4. First Aid Measures
General advice	Do not breathe dust/fume/gas/mist/vapours/spray; avoid bodily contact.
Eye Contact	Act Immediately. 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	Not Available
Flash Point	Not Available
Combustion Products	CO, CO2, NO,NO2,
Extinguishing Media	Carbon Dioxide, Dry chemical powder, polymer foam, water spray
Special Fire-fighting Procedures	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire Explosion Hazards	None known
	Section 6 - Accidental Release Measures
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
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.
	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



SDS- Safety Data Sheet for: Sinefungin

	Section 8 - Exposure Controls / Personal protection
General Engineering controls	Safety shower and eye bath need to be at hand. Use adequate ventilation to keep airborne concentrations low
	Personal protective equipment
Respiratory:	Government approved respirator. Ensure adequate ventilation, especially in confined areas
Hand	Compatible chemical-resistant gloves
Eye:	Tight sealing Chemical safety goggles
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice
	Section 9. Physical Data
Appearance	White to yellow solid
Melting point	>330°C
Flash point	427.48 °C (Calculated)
Density	1.91 g/cm ³
Water solubility	Soluble in water
Solubility in other solvents	Soluble in Soluble DMSO, DMF, Methanol
	Section 10. Stability and reactivity
Reactivity	Not applicable
Stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with oxidizing agents.
Conditions to avoid	Heat; direct sunlight.
Decomposition Products	Carbon oxides. Nitrogen oxides (NOx).
Hazardous polymerization	Hazardous polymerization does not occur
Eco toxicological Information:	None Available
	Section 11. Toxicological information
Toxicity (empiric data)	Mouse; oral, LD50= 1gm/kg
Acute toxicity	Product Information : Product does not present an acute toxicity
	Section 12. Ecological information
Eco-toxicity:	The environmental impact of this product has not been fully investigated
	Section 13 - Disposal Considerations
Appropriate method of disposal of substance or preparation	Contact a licensed professional waste disposal service to dispose of this material Observe all federal, state, and local environmental regulations
	Section 14 - Transport Information
US DOT	Not regulated
IATA class	Not regulated



SDS- Safety Data Sheet for: Sinefungin

Section 15-Regulatory Information

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

- Acute health hazard Yes
- Chronic Health Hazard No
- Fire hazard No
- Sudden release of pressure hazard No
- Reactive hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Section 16 -Other Information

Warranty

DISCLAIMER

For R&D and manufacturing 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.

Review: 8.dec 2015 MGur