MSDS MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification
Miltefosine

Product Code: 63280 , Reference #: INHB
Product Name: Miltefosine
CAS Number: 58066-85-6
Chemical Family: Inhibitors
Synonyms
1-hexadecylphosphorylcholine;
HePC

Manufacturer Name and Address:		Telephone Numbers:	Dates:
Cayman Chemical Company	Cayman Chemical Company	(800)364-9897	Date Entered: 10/08/2001
1180 E. Ellsworth Rd.			Revision: 03/14/2002
Ann Arbor, MI. 48108	Cayman Chemical Company	(734)971-3335	Printed: 03/19/2002

SECTION 2. Composition/Information on Ingredients
Miltefosine

Hazardous Components (Specific Chemical Identity/Common Name)	CAS #	Percentage
Miltefosine	58066-85-6	100.0

SECTION 3. Hazards Identification
Miltefosine

Emergency Overview

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other:
Potential Health Effects (Acute and Chronic)
Contact may cause skin or eye irritation.
The toxicological properties of this compound have not been fully evaluated.
Carcinogeniticy: NTP? No , IARC Monographs? No , OSHA Regulated? No
Carcinogenicity/Other Information

Signs and Symptoms Of Exposure
Irritating to the skin, eyes, nose, throat, and respiratory tract.

SECTION 4. First Aid Measures
Miltefosine

Emergency and First Aid Procedures
If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
Note to Physician

Medical Conditions Generally Aggravated By Exposure

SECTION 5. Fire Fighting Measures
Miltefosine

Flash Pt: NE or NA Method Used:
Explosive Limits: LEL: UEL:
Autoignition Pt: NE or NA Extinguishing Media
Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
Fire Fighting Instructions
As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Flammable Properties and Hazards

Hazardous Combustion Products

SECTION 6. Accidental Release Measures
Miltefosine

Steps To Be Taken In Case Material Is Released Or Spilled
Vacuum or sweep up material and place in disposal container.
After removal, ventilate contaminated area and flush thoroughly with water.

SECTION 7. Handling and Storage
Miltefosine

Hazard Label Information:
Avoid contact with skin and eyes. Do not reuse this container.
Wash thoroughly after handling. Use with adequate ventilation.
Precautions To Be Taken in Handling
Avoid contact with eyes, skin, and clothing.
Do not reuse this container.
Use with adequate ventilation.
Wash thoroughly after handling.
Precautions To Be Taken in Storing
Store at correct temperature.
Other Precautions

Work/Hygienic/Maintenance Practices
Do not take internally.
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Wash thoroughly after handling.

SECTION 8. Exposure Controls/Personal Protection
Miltefosine

Protective Equipment Summary - Hazard Label Information

Eye wash station in work area	Lab coat	Latex disposable gloves
Safety glasses	Safety shower in work area	Vent Hood

Respiratory Equipment (Specify Type)

Eye Protection
Safety glasses
Protective Gloves
Latex disposable gloves
Other Protective Clothing
Lab coat
Engineering Controls (Ventilation etc.)
Good general ventilation should be sufficient to control airborne levels.

SECTION 9. Physical and Chemical Properties
Miltefosine

Physical States:	[ ] Gas , [ ] Liquid , [X] Solid
Boiling Point:	NE or NA
Melting Point:	NE or NA
Specific Gravity (Water = 1):	NE or NA
Vapor Pressure (vs. Air or mm Hg):	NE or NA
Vapor Density (vs. Air = 1):	NE or NA
Evaporation Rate (vs Butyl Acetate=1):	NE or NA
Solubility in Water:	*>2.5 mg/ml at 25.0 C
Other Solubility Notes:	*PBS pH 7.2, low solubility in organics
Percent Volatile:	NE or NA
Molecular Formula:	C21H46NO4P
Molecular Weight:	407.60
pH:	

Appearance and Odor
A crystalline solid

SECTION 10. Stability and Reactivity
Miltefosine

Stability: Unstable [ ] Stable [X]
Conditions To Avoid - Instability

Incompatibility - Materials To Avoid

Hazardous Decomposition Or Byproducts

Hazardous Polymerization: Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization

SECTION 11. Toxicological Information
Miltefosine

The toxicological effects of this compound have not been thoroughly studied.
Chronic Toxicological Effects

SECTION 12. Ecological Information
Miltefosine

Data not yet available.

SECTION 13. Disposal Considerations
Miltefosine

Waste Disposal Method
Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information
Miltefosine

DOT Proper Shipping Name

Additional Transport Information
Transport in accordance with local, state, and federal regulations.

SECTION 15. Regulatory Information
Miltefosine

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any guarantee with regard to the product's properties.

SECTION 16. Other Information
Miltefosine

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