

1. IDENTIFICATION

Product Identifier	Amphotericin B
Product Number	A007 and A064
Distributor Name	TOKU-E Company
Distributor Address	715 W Orchard Dr. Suite 3 Bellingham, WA 98225
Phone Number	(360)734-1789
Emergency Phone Number (International)	+1 (352) 353-3500
Emergency Phone Number (US Only)	1 (800) 535-5053
Safety Data Sheet Issued by	TOKU-E USA
CAS-Number	[1397-89-3]
EC/ REACH Number	[215-742-2]
Recommended Use	Amphotericin B is used as an antimycotic selective agent in several routinely used selective media formulations to inhibit the growth of background fungal growth.
Restrictions of Use	Not for human or animal use

2. HAZARD(S) IDENTIFICATION

GHS Classification	Skin Irritant (Category 2) Eye Irritant (Category 2) Specific target organ toxicity following single exposure
GHS Label Elements, Including	



Warning

Hazard Statements

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary Statements

P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P264	Wash hands/skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305... (cont)	
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment, see applicable response statements on this label

P332+P313	IF SKIN irritation occurs: Get medical advice/attention.
P337	If eye irritation persists:
P313	Get medical advice/attention.
P362	Take off contaminated clothing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
P501	Dispose of contents/container in accordance with governmental regulation

Hazards not otherwise classified (HNOC) No Data Available
by GHS

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym(s)	Fungizone, Fungilin, Ampho-Moronal
Formula	$C_{47}H_{73}NO_{17}$
Molecular Weight	924.09
CAS-Number	[1397-89-3]
EC/ REACH Number	[215-742-2]
Hazardous Components	Amphotericin B Skin Irritant (Category 2) Eye Irritant (Category 2) Specific target organ toxicity following single exposure

4. FIRST-AID MEASURES

General Advice	Consult a doctor/physician if exposed - additional medical care may be required. Show this Safety Data Sheet to the medical provider.
If Inhaled	If inhaled, move to fresh air. If not breathing, give artificial respiration and immediately call local emergency telephone number.
In Case of Skin Contact	Wash skin thoroughly with soap and water.
In Case of Eye Contact	Flush eye with water. After initial flush, remove any contact lenses and continue flushing for at least 15 minutes.
If Swallowed	Rinse mouth with water. Immediately call a doctor, physician, or poison control center. Never give anything by mouth to an unconscious person.
Specific Treatment	Please see Section 2 precautionary statements and/or Section 11.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide
Special Protective Equipment for Firefighters	Wear self-contained breathing apparatus
Hazardous Combustion Products	Formed under fire conditions: carbon and nitrogen oxides, carbon monoxide, hydrogen peroxide

6. ACCIDENTAL RELEASE MEASURES

General	Evacuate personnel to a safe location. Use
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Personal Precautions	appropriate personal protective equipment while in contact with product. Avoid dust formation. Ensure adequate ventilation.
Environmental Precautions	Prevent contamination of skin, eyes and clothing with appropriate protective equipment (Section 8). Wear respiratory protection. Recover waste, if possible, and place in suitable closed container for licensed disposal. Prevent spillage - do not let product enter drains.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Wear appropriate protective clothing/gear to prevent contact with skin and eyes. Provide exhaust ventilation or respiratory protection in areas where dust is formed.
Precautions for Safe Storage	Store in a tightly closed container. Protect from humidity. Recommended storage temperature: 2-8°C
Incompatibilities	No Data Available

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

OSHA Permissible Exposure Limits	No Data Available
NIOSH Recommended Exposure Limits	No Data Available
ACGIH Threshold Limit Values	No Data Available

PPE: Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
PPE: Hand Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands
PPE: Eye Protection	Use a face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
PPE: Skin and Body Protection	Handle with gloves. Wear protective clothing. Choose body protection according to the amount and

concentration of the dangerous substance at the work place. When deemed needed according to the concentration and amount of this product, use a complete body suit

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance	Yellow to orange powder
Lower Flammability/Explosion Limit	No Data Available
Upper Flammability/Explosion Limit	No Data Available
Odor	Odorless or practically so
Vapor Pressure	No Data Available
Odor Threshold	No Data Available
Vapor Density	No Data Available
pH	No Data Available
Relative Density	No Data Available
Melting Point/Freezing Point	170°C
Water Solubility	Insoluble
Solubility in Other Solvents	Dimethyl sulfoxide, propylene glycol, slightly soluble in methanol
Boiling Point and Range	No Data Available
Flash Point	No Data Available
Evaporation rate	No Data Available
Flammability (solid, gas)	No Data Available
Partition Coefficient: n-octanol/water	log Kow = -2.80 (est)
Ignition Temperature	No Data Available
Auto-Ignition Temperature	No Data Available
Decomposition Temperature	No Data Available
Viscosity	No Data Available
Density	No Data Available
Optical Rotation	No Data Available
Absorbance (290nm, 5% in H ₂ O)	No Data Available
Water Content (Loss on Drying)	≤5.0%

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	No Data Available
Conditions to Avoid	No Data Available
Materials to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	Formed under fire conditions: carbon and nitrogen oxides, carbon monoxide, hydrogen peroxide

11. TOXICOLOGICAL INFORMATION

Oral LD ₅₀	Rat >5,000 mg/kg
Inhalation LC ₅₀	No Data Available
Dermal LD ₅₀	No Data Available
Intraperitoneal LD ₅₀	Rat >5,000 mg/kg
Intravenous LD ₅₀	Rat 1.6 mg/kg
Subcutaneous LD ₅₀	No Data Available

Skin Corrosion/Irritation	No Data Available
Serious Eye Damage/ Eye Irritation	No Data Available
Respiratory or Skin Sensitization	No Data Available
Germ Cell Mutagenicity	No Data Available
Carcinogenicity	This substance has not been identified as a potential carcinogen within the National Toxicology Program Report on Carcinogens or within the International Agency for Research on Cancer Monograph.
Reproductive Toxicity	No Data Available
Specific Target Organ Toxicity: Single Exposure (Globally Harmonized System)	May cause respiratory irritation
Specific Target Organ Toxicity: Repeated Exposure (Globally Harmonized System)	No Data Available
Aspiration Hazard	No Data Available
Potential Health Effects	See Section 2, Hazard(s) Identification
Signs and Symptoms of Exposure	Adverse cardiovascular effects and respiratory distress
Synergistic Effects	No Data Available
Additional Information	None

12. ECOLOGICAL INFORMATION

Toxicity	No Data Available
Persistence and Degradability	No Data Available
Bio accumulative Potential	No Data Available
Mobility in Soil	No Data Available
PBT and vPvB Assessment	No Data Available

In the absence of complete ecological information, treat product as environmentally hazardous. Use proper storage, handling, and disposal to prevent unintentional release into the environment.

13. DISPOSAL CONCENTRATIONS

Product	Dispose of product through a licensed disposal company.
Contaminated Packaging	Dispose of as unused product.

14. TRANSPORTATION INFORMATION

DOT (US)	Not a Dangerous Good
IMDG	Not a Dangerous Good
IATA	Not a Dangerous Good

15. REGULATORY INFORMATION

SARA 302 Components	The above components are subject to reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	No chemicals in this material are subject to the

Massachusetts Right to Know	reporting requirements of SARA Title III, Section 311/312 No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know	No components are subject to the Pennsylvania Right to Know Act
New Jersey Right to Know	No components are subject to the New Jersey Right to Know Act
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause birth defects, cancer, or any other reproductive harm
EU Information	SDS in accordance with REACH 1907/2006 EC/ REACH Number [215-742-2] CAS-Number [1397-89-3] Name: Amphotericin B Envisaged Registration Deadline: 30/11/2010 See GHS Information under Section 2, Hazard Identification

16. OTHER INFORMATION

Revision Date: 2016-05-11

This safety data sheet represents TOKU-E Company's current understanding of the hazards associated with this product. The stated hazard information is based on existing experimental data and is not guaranteed to be all-inclusive. TOKU-E Company strives to maintain current and comprehensive safety information but recognizes that this safety data sheet may require revision as new information becomes available. TOKU-E Company shall not be held liable for damage or injury resulting from contact, handling, or storage of this product.