

Material Safety Data Sheet

Rev. 11-20-00

Identity

Pond Care AlgaeFix

E.P.A. Reg. No 8709-8



Aquarium Pharmaceuticals, Inc.
50 E Hamilton Street
P.O. Box 218
Chalfont PA 18914

General Info. (215) 822-8181
For Poison Control Information,
please contact your regional
Poison Control Center

• Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits	%
WSCP Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride] CAS# 31075-24-8	NA	NA	NA	4.5

• Physical/Chemical Characteristics

Boiling Point	WSCP >100°C (>212°F)	Specific Gravity (H ₂ O = 1)	WSCP 1.15 g/mL
Vapor Pressure (mm Hg.)	Not Determined	Melting Point	Not Determined
Vapor Density (Air = 1)	Not Determined	Evaporation Rate (Butyl Acetate = 1)	Not Determined
Solubility in Water	Completely miscible with water. Insoluble in most organic solvents		
Appearance and Odor	Clear, pale yellow liquid. Mild odor		

• Fire and Explosion Hazard Data

Flash Point (Method Used)	None	Flammable Limits	LEL	Not Determined	UEL	Not Determined
Extinguishing Media	Dry chemical, water foam or carbon dioxide. Water should be used to cool surrounding containers.					
Special Firefighting Procedures	None					
Unusual Fire and Explosion Hazards	None found					

• Reactivity Data

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid	NA
	Stable	<input checked="" type="checkbox"/>		
Incompatibility (Materials to Avoid)	Anionic Polymers			
Hazardous Decomposition or Byproducts	Unknown, but carbon monoxide may be release by burning			
Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid	NA
	Will Not Occur	<input checked="" type="checkbox"/>		

• Health Hazard Data

Route(s) of Entry:	Inhalation?	<input checked="" type="checkbox"/>	Skin?	<input type="checkbox"/>	Ingestion?	<input type="checkbox"/>
Health Hazards (Acute & Chronic)	The following data is based on the unadulterated parent material and does not account for any change in hazards from the dilution with water that occurs during manufacturing.					
	Acute Exposure					
	Eye Exposure: mild irritant. Effects may range from none to mild depending on the length of exposure, solution concentration and first aid measures.					
	Skin Exposure: Non-irritating to the skin.					
Inhalation: May cause slight irritation of the mucous membranes and the lungs.						
Ingestion: Ingestion is not expected to be a primary route of exposure.						
Acute Effects						

Oral LD₅₀ (male) 1951 mg/kg, (female) 2587 mg/kg. Acute Dermal LD50 >2000 mg/kg. Acute Inhalation LC50 2.9 mg/L.

Chronic Exposure

The effects of chronic exposure to this product have not been fully evaluated.

Target Organ Effects

Eyes (irritation) are expected to be the primary target organ of this product.

Carcinogenic Potential

A two-year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

Other Health Effects

Mutagenicity studies were negative

This product may contain substances known to the state of California to cause cancer.

Carcinogenicity	NTP? <input type="checkbox"/>	IARC? <input type="checkbox"/>	OSHA? <input type="checkbox"/>
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Signs & Symptoms of Exposure	See Health Effects
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Medical Conditions Generally Aggravated By Exposure	None Known
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Emergency and First Aid Procedures	<p>Eye Exposure: Flush immediately with copious amounts of tap water or normal saline (minimum 15 minutes). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.</p> <p>Skin Exposure: Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional.</p> <p>Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing or is cyanotic, seek a health care professional immediately.</p> <p>Ingestion: Do not induce vomiting. Rinse mouth with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one(1) or two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to the nearest medical facility.</p> <p>NOTE TO PHYSICIAN: No specific antidote is known. Treat symptoms.</p>
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• Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	Absorb and place in container
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Waste Disposal Method	Dispose of in accordance with federal, state and local regulations
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Precautions to Be Taken in Handling and Storing	Keep out of reach of children. Store in original container. Eyewash fountains in the work area recommended.
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Other Precautions	NA
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• Control Measures

Respiratory Protection	None
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Ventilation	Recommended
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Protective Gloves	Rubber gloves
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Eye Protection	Goggles
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Other Protective Clothing or Equipment	Splash protection as necessary to prevent exposure
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Work/Hygienic Practices	Practice good sanitary habits after handling (i.e. wash hands)
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