

## Material Safety Data Sheet

Rev. 11/07/00

## Identity

## Doc Wellfish's Aquarium Salt



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	%
Sodium Chloride ( Evaporated from sea water )	NA	NA	NA	-

## • Physical/Chemical Characteristics

Boiling Point	1465° C	Specific Gravity (H <sub>2</sub> O = 1)	2.16
Vapor Pressure (mm Hg.)	2.4 @ 747° C	Melting Point	NA
Vapor Density (Air = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	26.4%		
Appearance and Odor	White crystalline solid		

## • Fire and Explosion Hazard Data

Flash Point (Method Used)	NA	Flammable Limits	LEL NA	UEL NA
Extinguishing Media	Use appropriate media to fight underlying fire			
Special Firefighting Procedures	NA			
Unusual Fire and Explosion Hazards	None known			

## • Reactivity Data

Stability	Unstable <input type="checkbox"/>	Conditions to Avoid	Prolonged exposure to high humidity
	Stable <input checked="" type="checkbox"/>		
Incompatibility (Materials to Avoid)	Avoid contact with strong acids. Becomes corrosive to metals when wet.		
Hazardous Decomposition or Byproducts	May evolve chlorine gas when in contact with strong acids		
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 checked="" type="checkbox"/>	Ingestion? <input checked="" type="checkbox"/>
Health Hazards (Acute & Chronic)	<p><b>Acute Inhalation:</b> Irritation of the respiratory tract.  <b>Chronic Inhalation:</b> No applicable information found for chronic systemic effects.  <b>Acute Skin Contact:</b> Large amounts can cause irritation and if applied to damaged skin, absorption can occur with effects similar to those via ingestion.  <b>Chronic Skin Contact:</b> No applicable information found for chronic systemic effects.  <b>Acute Eye Contact:</b> Irritation with burning and tearing (salt concentrations greater than the normal saline present).  <b>Chronic Eye Contact:</b> No applicable information found for chronic systemic</p>		

effects.

**Acute Ingestion:** Intake of large amounts has generally occurred for deliberate reasons: suicide, absorption, and to induce vomiting. The following effects were observed; nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral (fluid on brain) or pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage. Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

**Chronic Ingestion:** No applicable information found for chronic systemic effects.

**Carcinogenicity** NTP?  IARC?  OSHA?

**Signs & Symptoms of Exposure** Irritation

**Medical Conditions Generally Aggravated By Exposure** In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

**Emergency and First Aid Procedures**

Eyes: flush with water immediately, lifting eyelids occasionally.  
Skin: Remove clothing from affected area. Wash skin thoroughly. Rinse carefully.  
Inhalation: If person breathes large quantities, remove to fresh air at once. If breathing stops, apply artificial respiration immediately.  
Ingestion: Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

#### • Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled** Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into containers for proper disposal.

**Waste Disposal Method** Dispose of as ordinary trash.

**Precautions to Be Taken in Handling and Storing** Avoid high humidity. Keep container closed during these conditions.

**Other Precautions** Wash with soap and water after handling.

#### • Control Measures

**Respiratory Protection** NIOSH/MSHA approved respirator for particulates

**Ventilation** NA

**Protective Gloves** May be worn in dusty areas but not required.

**Eye Protection** Eyeglasses or goggles should be worn in dusty areas

**Other Protective Clothing or Equipment** Cover open cuts

**Work/Hygienic Practices** Practice good sanitary habits after handling (i.e. wash hands)