



# **Ecological Laboratories** INC.

*Providing Aquatic Solutions Since 1976*

## **MATERIAL SAFETY DATA SHEET**

**PRODUCT: Algaway 5.4**

### **SECTION I: IDENTIFICATION**

Manufactures Name: Ecological Laboratories, Inc.  
Address: 2525 N.E. 9<sup>th</sup> Avenue  
Cape Coral, FL 33909  
Emergency Telephone: (800)424-9300 (outside the U.S.A. (202) 483-7616 collect)  
Information Telephone: (800) 645-2976  
EPA Reg. No.: 14802-8-74466  
Date Prepared: 12/01/08

### **SECTION II: COMPOSITIONS/ INGREDIENTS**

<u>PRODUCT</u>	<u>CAS#</u>	<u>%</u>
Poly[oxyethylene(dimethyliminio)-ethylene(dimethyliminio)-ethylenedichloride]	31075-24-8	5.4

### **SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

Specific Gravity 1.00  
pH 5.0 – 7.0  
Solubility in water: Complete in water, incomplete or none in most solvents  
Vapor Pressure (mm Hg): n/d  
Vapor Density: n/d  
Boiling Point: > 100 °C  
Biodegradability: n/d  
Freeze Point: n/d  
Evaporation rate: n/d  
Appearance / Odor: Pale yellow with clarity, no solids, mild inoffensive odor

### **SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point (method used): none  
Flammable Limits: LEL n/d  
UEL n/d  
Extinguishing Media: Water, foam, carbon dioxide, or dry chemical  
Special Firefighting Procedures: none  
Unusual Fire and Explosion Hazard: none known

### **SECTION V: REACTIVITY DATA**

Stability: stable  
Conditions to Avoid: none known

Incompatibility (materials to avoid): anionic polymers  
Hazardous Polymerization: will not occur  
Conditions to Avoid: none known  
Hazardous Decomposition Products: not known, perhaps carbon monoxide upon burning

## SECTION VI: HEALTH HAZARD DATA

Acute Exposure: Eye irritant, skin irritant, mucous membrane irritant  
ingestion not considered a normal route of exposure  
Chronic Exposure: effects not fully evaluated  
Toxicology: Acute Oral LD<sub>50</sub> (male rat) 1951 mg/Kg  
Acute Oral LD<sub>50</sub> (female rat) 2587 mg/Kg  
Acute Dermal LD<sub>50</sub> (rabbit) > 2000 mg/Kg  
Acute Inhalation LC<sub>50</sub> (rat) 2.9 ppm at 4 hours  
Carcinogenic Potential: Not shown as a carcinogen by OSHA, IARC, or NTP  
Not considered a carcinogen  
Target Organs: Upper respiratory tract, skin, eyes

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING, USE AND DISPOSAL

Eye-wash stations are recommended near area of use  
PPE for eyes and skin are strongly advised  
Contain/soak spill by using a proper absorbent and water  
Dispose of material in accordance with Federal, State, and Local regulations  
Store in moderately cool area

## SECTION VIII: CONTROL MEASURES

Skin Contact: Clean thoroughly with soap and water  
Eye Contact: Flush with clean water for 15 minutes  
If Swallowed: If person is conscious, rinse mouth with water and administer drinking  
of water to dilute stomach contents. DO NOT INDUCE VOMITING.  
Seek medical attention immediately.

## SECTION IX: TOXICOLOGY INFORMATION

LC <sub>50</sub>	Invertebrate	0.37 mg/L at 48 hours
	Fathead Minnow	0.26 mg/L at 96 hours
	Bluegill Sunfish	0.21 mg/L at 96 hours
	Rainbow Trout	0.047 mg/L at 96 hours
	Sheepshead Minnow	> 600 mg/L at 96 hours
	Mysid Shrimp	13 mg/L at 96 hours

## SECTION X: TRANSPORT INFORMATION

Not DOT regulated  
Not IATA regulated  
DOT "RQ": none

## SECTION XI: REGULATORY INFORMATION

SARA 312 Hazard Category: Immediate (acute)  
FDA: Not approved for food contact use

TSCA:	All components may not be listed on the TSCA Inventory. Registered pesticides are exempt from the requirements of TSCA.
FIFRA:	This product is a registered pesticide (EPA Reg. No. 1448-42)
NFPA Rating:	Health 1 Flammability 1 Reactivity 0

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