

# Material Safety Data Sheet

## OMNI® MULTI-PURPOSE ALGAECIDE 60

Version: 1.1

Revision Date: 12/27/2010

Print Date: 10/09/2012

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *OMNI® MULTI-PURPOSE ALGAECIDE 60*

Product Use Description: Recreational Water Product

Registration number: 5185-339

Company: Manufacturer  
Asepsis, Inc.  
OMNI POOL PRODUCTS  
P.O. Box 1788  
Suwanee, GA  
30024-0973

Telephone: (800) 959-7946

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300, 703-527-3887  
Poison Control Center (Medical) :: (877) 800-5553

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department  
(US) +1 866-430-2775

+011-886-2-2712-5668 MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Caution

Form: liquid

Colour: clear light yellow

Odour: mild

Hazard Summary

:  
Harmful if swallowed.  
May cause eye irritation.  
May cause skin irritation.  
May cause irritation of respiratory tract.  
Do not get in eyes, on skin, or on clothing.

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OSHA Hazards

: THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

### Potential Health Effects

Primary Routes of Entry : Skin contact  
Inhalation  
Ingestion  
Eye contact

Inhalation : May cause irritation of respiratory tract.

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Ingestion : Harmful if swallowed.

Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component	CAS-No.	Weight percent
Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl dichloride	31512-74-0	60 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

Inhalation : Remove to fresh air.  
Give oxygen or artificial respiration if needed.  
Call a POISON CENTER or doctor/ physician.

Skin contact : Remove contaminated clothing and shoes.  
Rinse immediately with plenty of water for at least 15 minutes.  
Call a POISON CENTER or doctor/ physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.

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Call a POISON CENTER or doctor/ physician.

Ingestion : Immediately call a POISON CENTER or doctor/ physician.  
Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by the poison control center or doctor.  
Do not give anything by mouth to an unconscious person.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Flammable properties

Flash point : > 212 °F (100 °C)  
Method: Tag closed cup

#### Fire fighting

Suitable extinguishing media : Dry chemical  
Water  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Keep containers and surroundings cool with water spray.

Further information : There are no unusual fire and explosion hazards known.

#### Protective equipment and precautions for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.  
Soak up with inert absorbent material.  
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

### SECTION 7. HANDLING AND STORAGE

#### Handling

Handling procedures : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors.  
Mix only with water.

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Do not mix with other chemicals.  
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.  
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.  
Do not handle until all safety precautions have been read and understood.

### Storage

Requirements for storage areas and containers : Store in original container.  
Keep container closed when not in use.  
Store in a cool, dry, well ventilated area away from heat or open flame.  
Keep out of reach of children.  
Keep away from animals.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

### Engineering measures

Engineering measures : Ensure that eyewash stations and safety showers are close to the workstation location.  
Use with adequate ventilation.

### Personal protective equipment

Eye protection : Goggles  
Safety glasses with side-shields

Hand protection : Wear rubber gloves.

Respiratory protection : A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures : Wash contaminated clothing before reuse.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : liquid  
Colour : clear  
light yellow

Odour : mild

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### Safety data

Flash point	:	> 212 °F (100 °C) Method: Tag closed cup
pH	:	6 - 8 Note: (undiluted)
Freezing point	:	< 3 °F (-16 °C)
Boiling point/boiling range	:	> 212 °F (100 °C)
Vapour pressure	:	Note: Not Available
Density	:	1.15 g/cm <sup>3</sup>
Water solubility	:	Note: soluble
Relative vapour density	:	Note: Not Available

### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Remarks: High temperatures. Poor ventilation. Contamination
Materials to avoid	:	Remarks: Do not mix with other swimming pool/spa chemicals in their concentrated forms. Anionic polymers
Hazardous decomposition products	:	Note: Carbon oxides
Hazardous reactions	:	Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50: 1,951 mg/kg Species: rat
	:	LD50: 2,587 mg/kg Species: rat
Acute inhalation toxicity	:	LC50: Exposure time: 4 h Species: rat
Acute dermal toxicity	:	LD50: > 2,000 mg/kg

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Species: rabbit

Skin irritation : Remarks: May cause skin irritation.

Eye irritation : Remarks: May cause eye irritation.

Sensitisation : Remarks: This product is not expected to be a skin sensitizer.

### Toxicology Assessment

CMR effects : Mutagenicity:  
Mutagenicity studies were negative.

## 12. ECOLOGICAL INFORMATION

### Further information on ecology

Additional ecological information : Toxic to fish.  
Toxic to aquatic organisms.  
Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Improper disposal of excess product, spray mixture or rinsate is a violation of Federal Law.  
If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. For registered pesticides, contact your State Pesticide Agency.

Contaminated packaging : Do not re-use empty containers.  
Rinse thoroughly before discarding in trash.  
Offer rinsed packaging material to local recycling facilities.

## SECTION 14. TRANSPORT INFORMATION

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### DOT

UN number : 3082  
Description of the goods : Environmentally hazardous substances, liquid, n.o.s.  
(Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane  
diyl(dimethyliminio)-1,2-ethanediyl dichloride)  
Class : 9  
Packing group : III  
ERG Code : 171

### IATA

UN number : 3082  
Description of the goods : Environmentally hazardous substance, liquid, n.o.s.  
(Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane  
diyl(dimethyliminio)-1,2-ethanediyl dichloride)  
Class : 9  
Packing group : III

### IMDG

UN number : 3082  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane  
diyl(dimethyliminio)-1,2-ethanediyl dichloride)  
Class : 9  
Packing group : III  
EmS Letter 1 : F-A  
EmS Letter 2 : S-F  
Marine pollutant : yes  
Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane  
diyl(dimethyliminio)-1,2-ethanediyl dichloride

Not recommended for shipment by air  
Not regulated by DOT and TDG if shipped or transported in packaging less than 450  
liters by road and/or rail.

## SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : This material is hazardous under the criteria of the Federal OSHA Hazard  
Communication Standard 29CFR 1910.1200.

**SARA 311/312 Hazards** : Acute Health Hazard

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### EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable  
Quantity :

The components of this product are reported in the following inventories:  
TSCA

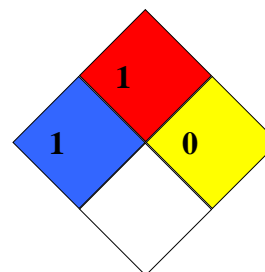
Note: Listed

### SECTION 16. OTHER INFORMATION

#### Further information

HMIS Classification : Health hazard: 1  
Flammability: 1  
Physical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions

NFPA Classification : Health hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0



#### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe



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handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.