		Page: 1
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE		Version: 1.0
205405		

## SECTION 1. IDENTIFICATION

### Product identifier

Trade name : POOLIFE EXCLUSIVE POOL CARE COLLECTION  
ALGAEPHOS ALGAECIDE

### Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Pesticide

<b>Details of the supplier of the safety data sheet</b> Innovative Water Care, LLC 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States of America (USA)  EHSPProductSafetyTeam@solenis.com	<b>Emergency telephone number</b> 1-800-654-6911 (Outside the USA:1-423-780-2970)  <b>Product Information</b> 1-800-511-6737 (Outside the USA:1-423-780-2347)
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)


Flammable liquids : Category 2  
 Corrosive to metals : Category 1  
 Acute toxicity (Oral) : Category 4  
 Skin corrosion : Category 1B  
 Serious eye damage : Category 1  
 Skin sensitisation : Category 1

### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

	Page: 2
<b>SAFETY DATA SHEET</b>	Revision Date: 10/18/2022
	Print Date: 05/14/2024
	SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405	Version: 1.0

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.

Precautionary statements :

**Prevention:**

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
 No smoking.  
 P233 Keep container tightly closed.  
 P234 Keep only in original container.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**


P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P363 Wash contaminated clothing before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 P390 Absorb spillage to prevent material damage.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P406 Store in corrosive resistant container with a resistant inner liner.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

		Page: 3
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE		Version: 1.0
205405		

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**


Chemical name	CAS-No.	Classification	Concentration (%)
ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE	68424-85-1	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318	>= 40 - < 50
Lanthanum chloride, anhydrous	10099-58-8	Met. Corr. 1; H290 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 10 - < 15
ETHANOL	64-17-5	Flam. Liq. 2; H225 Eye Irrit. 2A; H319	>= 5 - < 10

Actual concentration is withheld as a trade secret

---

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If breathed in, move person into fresh air.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
Wash contaminated clothing before re-use.  
If on clothes, remove clothes.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.


	Page: 4
<b>SAFETY DATA SHEET</b>	Revision Date: 10/18/2022
	Print Date: 05/14/2024
	SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405	Version: 1.0

- If swallowed : Get medical attention immediately.  
 Do NOT induce vomiting.  
 Rinse mouth with water.  
 Do not give milk or alcoholic beverages.  
 Never give anything by mouth to an unconscious person.  
 If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed.  
 May cause an allergic skin reaction.  
 Causes serious eye damage.  
 Causes severe burns.  
 Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:  
 stomach or intestinal upset (nausea, vomiting, diarrhea)  
 irritation (nose, throat, airways)  
 Cough  
 confusion  
 irregular heartbeat  
 respiratory failure  
 Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.
- Notes to physician : No hazards which require special first aid measures.

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## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
 Water spray  
 Foam  
 Alcohol-resistant foam  
 Carbon dioxide (CO2)  
 Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.  
 Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.  
 Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon monoxide  
 Carbon dioxide (CO2)

		Page: 5
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

Nitrogen oxides (NOx)  
 formaldehyde-like  
 Hydrocarbons

- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
 Remove all sources of ignition.  
 Use personal protective equipment.  
 Ensure adequate ventilation.  
 Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.  
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
 Comply with all applicable federal, state, and local regulations.
- Environmental precautions : Prevent product from entering drains.  
 Prevent further leakage or spillage if safe to do so.  
 If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
 Keep away from open flames, hot surfaces and sources of ignition.  
 Use only explosion-proof equipment.
- Static ignition hazard can result from handling and use.  
 Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National

		Page: 6
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

Fire Protection Association document NFPA 77.

**Advice on safe handling** : Open drum carefully as content may be under pressure.  
 Avoid formation of aerosol.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Do not breathe vapours/dust.  
 Do not smoke.  
 Container hazardous when empty.  
 Take precautionary measures against static discharges.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 Smoking, eating and drinking should be prohibited in the application area.  
 For personal protection see section 8.  
 Dispose of rinse water in accordance with local and national regulations.

**Conditions for safe storage** : Keep container tightly closed in a dry and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.  
 No smoking.  
 Electrical installations / working materials must comply with the technological safety standards.

**Further information on storage stability** : No decomposition if stored and applied as directed.


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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ETHANOL	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

	Page: 7
<b>SAFETY DATA SHEET</b>	Revision Date: 10/18/2022
	Print Date: 05/14/2024
	SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405	Version: 1.0

### Personal protective equipment

#### Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.  
Maintain eye wash station in immediate work area.

Skin and body protection : Wear as appropriate:  
Impervious clothing  
Chemical resistant apron  
Safety shoes  
Flame-resistant clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Wear resistant gloves (consult your safety equipment supplier).  
Discard gloves that show tears, pinholes, or signs of wear.

Hygiene measures : Wash hands before breaks and at the end of workday.  
When using do not eat or drink.  
Ensure that eyewash stations and safety showers are close to the workstation location.  
When using do not smoke.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : yellow

Odour : No data available


Odour Threshold : No data available

pH : 6 - 7

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : No data available

		Page: 8
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : 1.16

Density : No data available

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Vapours may form explosive mixture with air.

Conditions to avoid : excessive heat  
Protect from frost.  
Heat, flames and sparks.  
  
Heat, flames and sparks.



<b>SAFETY DATA SHEET</b>	Revision Date: 10/18/2022
	Print Date: 05/14/2024
	SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405	Version: 1.0

Incompatible materials : Acids  
Alkali metals  
Ammonia  
Bases  
halogens  
inorganic materials  
Oxidizing agents  
Reducing agents  
sodium

Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
toxic fumes  
Formaldehyde  
Hydrocarbons

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Harmful if swallowed.

### Components:

#### **ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE:**

Acute oral toxicity : LD50 (Rat): 358 mg/kg

#### **Lanthanum chloride, anhydrous:**

Acute oral toxicity : LD50 (Rat): 2,621 mg/kg  
GLP: no

Acute dermal toxicity : LD50 (Rabbit): > 1,638 mg/kg  
GLP: no


#### **ETHANOL:**

Acute oral toxicity : LD50 (Rat): 7,060 mg/kg

Acute inhalation toxicity : LC 50 (Rat): 117 - 125 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

LC 50 (Mouse): 39 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LDLo (Rabbit): 20 g/kg

		Page: 10
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

**Skin corrosion/irritation**

Causes severe burns.

**Product:**

Remarks : May cause skin irritation in susceptible persons.  
Causes severe skin burns and eye damage.

**Components:**

**ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE:**

Species : Rabbit  
Result : Causes burns.

**Lanthanum chloride, anhydrous:**

Species : Rabbit  
Result : No skin irritation  
GLP : no

**ETHANOL:**

Result : Slightly irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

**Components:**

**ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE:**

Result : Corrosive to eyes

**Lanthanum chloride, anhydrous:**

Species : Rabbit  
Result : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405  
GLP : yes

**ETHANOL:**

Result : Irritating to eyes


**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

		Page: 11
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

**Product:**

Remarks : May cause allergic skin reaction.

**Components:**

**Lanthanum chloride, anhydrous:**

Test Type : Local lymph node assay (LLNA)  
 Species : Mouse  
 Method : OECD Test Guideline 429  
 GLP : yes

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC** Group 1: Carcinogenic to humans  
 ethanol 64-17-5

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

Remarks : Solvents may degrease the skin.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Acute aquatic toxicity Category 1; Very toxic to aquatic life.

		Page: 12
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

Chronic aquatic toxicity : Chronic aquatic toxicity Category 1; Very toxic to aquatic life with long lasting effects.

**Components:**

**ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE:**

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 0.860 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

LC50 (Oncorhynchus mykiss (rainbow trout)): 0.923 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.016 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (algae)): 0.049 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes

M-Factor (Acute aquatic toxicity) : 10


Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.00415 mg/l  
End point: Reproduction Test  
Exposure time: 21 d  
Analytical monitoring: yes  
GLP: yes

M-Factor (Chronic aquatic toxicity) : 1

**Lanthanum chloride, anhydrous:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 2.083 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 28.2 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test

		Page: 13
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

Analytical monitoring: yes  
 Method: OECD Test Guideline 201  
 GLP: yes

EC10 (Desmodesmus subspicatus (green algae)): 2.3 mg/l  
 End point: Growth inhibition  
 Exposure time: 72 h  
 Test Type: static test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 201  
 GLP: yes

EC50 (Skeletonema costatum (marine diatom)): 7.16 mg/l  
 End point: Growth inhibition  
 Exposure time: 72 h  
 Test Type: static test  
 GLP: no

Toxicity to fish (Chronic toxicity) : (Cyprinus carpio (Carp)): 0.46 mg/l  
 End point: mortality  
 Exposure time: 21 d  
 Test Type: semi-static test  
 Method: OECD Test Guideline 204  
 GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.176 mg/l  
 Exposure time: 21 d  
 Test Type: semi-static test  
 GLP: yes

**Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**ETHANOL:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 12,000 - 16,000 mg/l  
 Exposure time: 96 h  
 Test Type: static test


Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
 Exposure time: 48 h  
 Test Type: static test

**Persistence and degradability**

**Components:**

**ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE:**

Biodegradability : Result: Readily biodegradable.

	Page: 14
<b>SAFETY DATA SHEET</b>	Revision Date: 10/18/2022
	Print Date: 05/14/2024
	SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405	Version: 1.0

**Lanthanum chloride, anhydrous:**

Biodegradability : Result: The methods for determining biodegradability are not applicable to inorganic substances.

**Bioaccumulative potential**

**Components:**

**ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE:**

Biaccumulation : Species: Bluegill (*Lepomis macrochirus*)  
 Bioconcentration factor (BCF): 80.4  
 Exposure time: 60 d  
 Concentration: 0.25 mg/l  
 Method: Flow through

Species: Bluegill (*Lepomis macrochirus*)  
 Bioconcentration factor (BCF): 33.3  
 Exposure time: 60 d  
 Concentration: 0.25 mg/l  
 Method: Flow through

**Lanthanum chloride, anhydrous:**

Biaccumulation : Remarks: Accumulation in aquatic organisms is expected.

**ETHANOL:**

Partition coefficient: n-octanol/water : log Pow: -0.31

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**


Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
 Very toxic to aquatic life with long lasting effects.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
 Do not contaminate ponds, waterways or ditches with chemical or used container.  
 Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations.

 <b>SOLENIS</b> Strong bonds. Trusted solutions.		Page: 15
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN number : UN 1760  
 Proper shipping name : Corrosive liquid, n.o.s. (C12-18-ALKYL[(ETHYLPHENYL)METHYL]DIMETHYL, CHLORIDES)  
 Class : 8  
 Packing group : II  
 Packing instruction (cargo aircraft) : 855  
 Packing instruction (passenger aircraft) : 851  
 Marine pollutant : no

#### IMDG-Code

UN number : UN 1760  
 Proper shipping name : CORROSIVE LIQUID, N.O.S. (C12-18-ALKYL[(ETHYLPHENYL)METHYL]DIMETHYL, CHLORIDES)  
 Class : 8  
 Packing group : II  
 EmS Code : F-A, S-B  
 Marine pollutant : no

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.


### National Regulations

#### 49 CFR

UN number : UN 1760  
 Proper shipping name : Corrosive liquids, n.o.s. (C12-18-ALKYL[(ETHYLPHENYL)METHYL]DIMETHYL, CHLORIDES)  
 Class : 8  
 Packing group : II  
 ERG Code : 154  
 Marine pollutant : no

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data

 <b>SOLENIS</b> Strong bonds. Trusted solutions.		Page: 16
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE		Version: 1.0
205405		

Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.  
49CFR/IMDG: Packages with inner packaging less than 1L or 1kg and gross weight under 30kg may ship under the Limited Quantity Exception.

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Corrosive to metals  
Acute toxicity (any route of exposure)  
Respiratory or skin sensitization  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 313** : 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.

### US State Regulations

#### Massachusetts Right To Know

ethanol 64-17-5

#### Pennsylvania Right To Know

WATER 7732-18-5  
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 68424-85-1  
Lanthanum chloride, anhydrous 10099-58-8  
ethanol 64-17-5


#### New Jersey Right To Know

WATER 7732-18-5  
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 68424-85-1  
Lanthanum chloride, anhydrous 10099-58-8  
ethanol 64-17-5

#### California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment performed on the product as delivered and when used as intended.



		Page: 17
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405		Version: 1.0

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

- TCSI : On the inventory, or in compliance with the inventory
- TSCA : All substances listed as active on the TSCA inventory
- AIIC : On the inventory, or in compliance with the inventory
- DSL : All components of this product are on the Canadian DSL
- ENCS : On the inventory, or in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**Biocides**

EPA Reg. # 74849-2-1258

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Danger, Corrosive., Causes irreversible eye damage and skin burns., May be fatal if inhaled., Harmful if swallowed or absorbed through the skin.

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**SECTION 16. OTHER INFORMATION**

**Further information**

Revision Date : 10/18/2022

**Full text of H-Statements**

- H225 : Highly flammable liquid and vapour.
- H290 : May be corrosive to metals.
- H302 : Harmful if swallowed.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H317 : May cause an allergic skin reaction.
- H318 : Causes serious eye damage.


		Page: 18
<b>SAFETY DATA SHEET</b>		Revision Date: 10/18/2022
		Print Date: 05/14/2024
		SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE		Version: 1.0
205405		

H319 : Causes serious eye irritation.

**Full text of other abbreviations**

Acute Tox. : Acute toxicity  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Met. Corr. : Corrosive to metals  
Skin Corr. : Skin corrosion  
Skin Sens. : Skin sensitisation  
ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / STEL : Short-term exposure limit  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United

	Page: 19
<b>SAFETY DATA SHEET</b>	Revision Date: 10/18/2022
	Print Date: 05/14/2024
	SDS Number: R1600195
POOLIFE EXCLUSIVE POOL CARE COLLECTION ALGAEPHOS ALGAECIDE  205405	Version: 1.0

Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods;  
 vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet

Key literature references and sources of data

SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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 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. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

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