

MATERIAL SAFETY DATA SHEET

Date Issued: 07/16/2008
 MSDS No: Tropi Clear Algaecide 60
 Date Revised: 09/11/2008
 Revision No: 1

Tropi Clear Algaecide 60

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Tropi Clear Algaecide 60
GENERAL USE: Algaecide
ACTIVE INGREDIENT(S): Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]

DISTRIBUTOR

Horner Xpress
 5755 Powerline Road
 Fort Lauderdale FL 33309
Emergency Contact: (800) 424-9300
Product Stewardship: (800) 491-9810

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.
SKIN: May cause skin irritation. Non-sensitizer for skin.
INGESTION: Not expected to be a primary route of exposure.
INHALATION: May cause irritation. Effects will depend on concentration and length of time of exposure.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	60	031512-74-0

4. FIRST AID MEASURES

EYES: Hold eyelids open and flush with a copious amounts of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.

SKIN: Immediately wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

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INGESTION: DO NOT INDUCE VOMITING. Rinse mouth with plenty of water or milk. Slowly give 1 to 2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION: Immediately move person to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek immediate medical treatment.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Available

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide may be formed upon burning.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material with absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Flushing residual material to an industrial sewer may be acceptable.

7. HANDLING AND STORAGE

STORAGE: Avoid storing near anionic polymers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR 19.10.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	TWA	[1]	[1]	[1]	[1]
Footnotes: 1. Not established.					

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety glasses or goggles.

RESPIRATORY: None normally required.

PROTECTIVE CLOTHING: Body protective clothing and shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild.

APPEARANCE: Blue liquid.

pH: 6.0 to 8.0

VAPOR PRESSURE: Not Available

VAPOR DENSITY: 1.15 g/cm³

BOILING POINT: > 100 °C (212 °F)

FREEZING POINT: < -16 °C (3.2 °F)

FLASHPOINT AND METHOD: Not Available

SOLUBILITY IN WATER: Easily soluble in hot and cold water.

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 1.125

10. STABILITY AND REACTIVITY

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STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide may be formed upon burning.

INCOMPATIBLE MATERIALS: Anionic polymers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 2000 mg/kg (rabbit)

ORAL LD₅₀: 1951 g/kg (rat)

INHALATION LC₅₀: 2.9 mg/L (4 hour - rat)

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE): LC50 = 0.37 mg/l - 48 hours (Invertebrate)

LC50 = 0.26 mg/l - 96 hours (Fathead minnow)

LC50 = 0.21 mg/l - 96 hours (Bluegille sunfish)

LC50 = 0.047 mg/l - 96 hours (Rainbow trout)

LC50 = >600 mg/l - 96 hours (Sheepshead minnow)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

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CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: No components of this product are present above the de minimus levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product may not be listed in the TSCA Inventory. EPA registered pesticides are exempt from the requirements of TSCA.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This is an EPA-registered product.

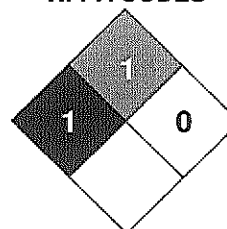
16. OTHER INFORMATION

REVISION SUMMARY: Revision #: 1. This MSDS replaces the July 16, 2008 MSDS.

HMIS RATING

HEALTH:	1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES



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