

Material SAFETY DATA SHEET

(M.S.D.S)

Algaecide-Extra-II

Section 1: Product Identification

Product Use: Algaecide
Product Name: Algaecide-Extra-II
Product CAS No.: Mixture
Formula: Proprietary

Manufacturer Info: **Extol Hydro Technologies Inc.**

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Section 2: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	AMOUNT	EINECS	SYM	R-PHRASES
Proprietary	Proprietary	100% Weight	EXEMPT	NA	NA

Section 3: Health Hazards Data

Inhalation: Slight nose and throat irritation

Eye Contact: Severe eye irritation, risk of serious eye lesions

Skin Contact: Slight irritation

Ingestion: Severe irritation of the mouth, throat, esophagus and stomach

Section 4: First Aid Measures

If in eyes:

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed:

Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact +966-1-465-3259 for emergency medical treatment information.

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire Fighting Measures

Special fire hazards:

Oxidizing substance that causes exothermic reactions with organic materials.

Fire fighting methods:

Product is not flammable and can be quickly diluted with clean water.

Specific Hazards:

Reacts with strong reducing agents – decomposition may support combustion.

Section 6: Accidental Release Measures

Protective Measures:

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:

Avoid creating dust clouds. Shovel, sweep up or use industrial vacuum cleaner to pick up. Place in container for proper disposal. Clean up spills immediately, observing precautions in Exposure Controls/Personal Protection section. Reduce airborne dust and prevent scattering by moistening with water.

Reporting:

U.S.A. regulations require reporting spills of this material that could reach any surface waters. Report spills to local authorities and/or the National Response Center at (800) 424-8802 as appropriate or required.

Waste Disposal:

Do not return spilled or contaminated material to inventory. Clean the area with large quantities of clean, cold water.

Section 7: Handling and Storage

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. REFER TO PRODUCT LABEL OR MANUFACTURERS TECHNICAL BULLETINS FOR THE PROPER USE AND HANDLING OF THIS MATERIAL.

- **Never return unused product to the original container**
- **Keep concentrate away from reactive substances**
- **Prevent contact with organic materials**
- **Keep product in original container**
- **Store in cool, dry area**
- **Keep out of direct sunlight and away from heat sources**

Section 8: Exposure Controls/ Personal Protection:

Respiratory: For most conditions, no respiratory protection should be needed.

Eyes: Use dust proof chemical goggles

Hands: Protective gloves – chemical resistant

Skin: Body-covering clothing

Section 9: Physical and Chemical Properties:

Appearance: White, granular, solid
Odor: None
Bulk Density: 1.0 – 1.2 g/cm³
Solubility: 140 g/L @ 24° C (75° F)
pH: 1% solution: 10.4 – 10.6

Section 10: Stability and Reactivity:

Stability: Stable under normal conditions

Avoid:

- Heat/Sources of Heat
- Water/Moisture
- Acids
- Bases
- Reducing Agents
- Organic Materials

Section 11: Ecological Information:

Acute Toxicity:

- **Dermal:** LD Lo rabbit > 2000 mg/kg
- **Inhalation:** LC 0 1 hour, rat > 4580 mg /m
- **Oral:** LD 50 rat 1034 mg/kg

Section 12: Ecological Considerations:

Toxic to simple cell organisms

Danger to the environment is limited – due to product properties.

- No bioaccumulation
- Soil degradation = 99% in 20 minutes
- Considerable abiotic and biotic degradability
- Sediments = Non-significant adsorption
- Weak persistence of degradation products
- Degradation products = sodium carbonate, carbon dioxide, bicarbonate carbonate, hydrogen dioxide.

Section 13: Disposal Consideration:**Packing Treatment:**

Rinse empty containers with clean water. Clean and empty containers are to be recycled or disposed in accordance with local regulations.

Section 14: Transport Information:

D.O.T. Shipping Name: Oxidizing Solid N.O.S.
UN Number: UN # 1479
Hazard Class: 5.1
Primary Hazard Label: Oxidizer
Subsidiary Risk Label: None
Packing Group: III
WHMIS Classification: C – oxidizing material

Disclaimer:

The above information is based on the data of which Extol Hydro Technologies Ltd is aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.