

**GREEN ALGAE REMOVER**

**MATERIAL SAFETY DATA SHEET**

Trade Name:

**PRODUCT NAME: Green Algae Remover**

MANUFACTURED FOR: SPR International Inc.  
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**SECTION 1 - IDENTIFICATION OF PRODUCT**  
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**PRODUCT NAME: Green Algae Remover**  
TRADE NAME AND SYNONYMS: Algae Remover

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**SECTION II - HAZARDOUS INGREDIENT DATA**  
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Ammonium Bifluoride Solution: stabilized      ACGIH TLV: 2.5 mg/m3 as F  
Proprietary non hazardous ingredients do not require disclosure.

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**SECTION III - PHYSICAL DATA**  
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Boiling Point: 2150 F.      Specific Gravity (Water = 1): 1.2 - 1.4  
Vapor Pressure (mm hg.): Not Applicable      Melting Point: Not Applicable  
Vapor Density (Air = 1): Not Applicable      Evaporation Rate: Not Applicable  
Appearance and Color: Clear Liquid, mild odor      Solubility in Water: Complete

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**  
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Flash Point: Not Applicable      Flammable Limits: Not Applicable  
Extinguishing Media: CO2, Dry Chemical. Not a fire or explosion hazard. Material may release very small amounts of HF acid. Cool containers with water spray.  
Special Fire Fighting Procedures: None. Use NIOSH Approved self contained breathing apparatus when fire fighting in contained space.

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**SECTION V - HEALTH HAZARD DATA**  
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Routes of Entry: Skin, Eye, Ingestion, Inhalation Health Hazards: No long term hazards known. Skin Contact: May be moderately irritating to skin. Eye Contact: May cause moderate eye irritation. Ingestion: May cause gastrointestinal irritation. Inhalation: Avoid breathing spray mist as it may cause throat irritation.  
Signs or Symptoms of Exposure: Irritation, stinging, burning sensation, or red rash. Carcinogenicity: Contains no ingredient known to be a carcinogen.

#### EMERGENCY AND FIRST AID PROCEDURES

Skin Contact: Wipe off excess material from skin and flush with soapy water. Remove contaminated clothing. Wash clothes before re-use. If skin is irritated, seek medical attention.

Eye Contact: Flush with water for 15 minutes. Get medical attention if necessary.

Ingestion: Give large quantities of milk, water or chewable calcium tablets. Do not induce vomiting. Get immediate medical attention.

Inhalation: Move to fresh air.

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#### SECTION VI - REACTIVITY DATA

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Stability: Stable

Conditions to Avoid: Open flame. Emits toxic fumes when heated to decomposition. Incompatibility: Avoid materials with strong acids or bases. May corrode glass or metals. Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Emits toxic fumes of hydrogen fluoride, nitric oxides, and ammonia when heated to decomposition.

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#### SECTION VII - SPILL OR LEAK PROCEDURE

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IF MATERIAL IS RELEASED OR SPILLED: Apply absorbent material and sweep up. WASTE DISPOSAL METHOD: Dispose in accord with local, state and federal regulations.

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#### SECTION VIII - CONTROL MEASURES

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Respiratory Protection: Use adequate ventilation. Ventilate enclosed areas. If necessary, use MSHA/NIOSH approved air supplied respirator. Use local or mechanical exhaust.

Protective Gloves: Resistant gloves such as rubber or Buna-N. Eye Protection: Wear goggles in case of splash hazard. Clothing: Apron or other protective clothing.

Hygienic Work Practices: Good Industrial hygiene recommended.

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#### SECTION IX - SPECIAL PRECAUTIONS

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Precautions to be taken in handling and storing: Keep away from open flame. Store in closed containers. Keep in a cool, dry place. Use with adequate ventilation. Personnel should avoid inhalation of vapors. Avoid eye or skin contact. Do not ingest.

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Note from SPR International Inc.: The product, if used in a confined area and in concentrated amounts, could be a cause for some concern, however, this product has been used in a diluted form, on roofs of homes and buildings for many years with 100% success. It has not been harmful to plants, animals, or humans in any way. SPR International Inc. has not had any loss associated with its use nor have any of its dealers recorded any loss from its use.