PRODUCT NAME: **Pool Season Algae Control 60**, **Pool Season Algaecide 60%**

1. PRODUCT AND COMPANY IDENTIFICATION

**Supplier**
SCP Distributors LLC  
109 Northpark Blvd,  
Covington, LA, 70433-5001  
United States  
Telephone: +19858925521  
Telefax: +19858921657  
Web:  

**Manufacturer**
Advantis Technologies  
1400 Bluegrass Lakes Parkway  
Alpharetta, GA 30004  
United States of America

**REVISION DATE:** 09/06/2011  
**SUPERCEDES:** 12/21/2010

**MSDS Number:** 000000012598

**SYNONYMS:** None

**CHEMICAL FAMILY:** None

**DESCRIPTION / USE** None established

**FORMULA:** None established

2. HAZARDS IDENTIFICATION

| OSHA Hazard Classification: | Mild eye irritant, Mucous membrane irritant |

**Routes of Entry:**
- Ingestion
- Eyes
- Inhalation

**Chemical Interactions:** No known interactions

**Medical Conditions Aggravated:** None known.
Human Threshold Response Data

Odor Threshold: Not established for product.

Irritation Threshold: Not established for product.

Hazardous Materials Identification System / National Fire Protection Association Classifications

<table>
<thead>
<tr>
<th>Hazard Ratings</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical / Instability</th>
<th>PPI / Special hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>NFPA</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Immediate (Acute) Health Effects

Inhalation Toxicity: Not expected to be an inhalation hazard at ambient conditions. Inhalation of mist or vapor may cause irritation to the mucous membranes of the respiratory tract. Not expected to be toxic by inhalation.

Skin Toxicity: Not expected to cause irritation. Not expected to be toxic from dermal contact.

Eye Toxicity: Contact may cause mild irritation consisting of transient redness, swelling, and mucous membrane discharge to the conjunctiva. No corneal involvement or visual impairment is expected.

Ingestion Toxicity: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Acute Target Organ Toxicity: May cause mild eye irritation. Ingestion may cause mild gastrointestinal discomfort.

Prolonged (Chronic) Health Effects

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Reproductive and Developmental Toxicity: This chemical has been tested in laboratory animals and no evidence of teratogenicity or fetotoxicity was seen. There are no known or reported effects from chronic exposure except for effects similar to those experienced from acute exposure.

Inhalation: There are no known or reported effects from chronic exposure.

Skin Contact: There are no known or reported effects from chronic exposure.

Skin Absorption: No significant adverse effects to health would be expected to occur.

Ingestion: There are no known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure.

Sensitization: This material is not known or reported to be a skin or respiratory sensitizer. A similar product was found to be a negative skin sensitizer in the Guinea pig Buehler method test.

Chronic Target Organ Toxicity: There are no known or reported target organ effects from chronic exposure.
Supplemental Health Hazard Information: This information is not available.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS OR CHEMICAL NAME</th>
<th>CAS #</th>
<th>% RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE]</td>
<td>31512-74-0</td>
<td></td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**General Advice:** Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Inhalation:** 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 a poison control center or doctor for further treatment advice.

**Skin Contact:** 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.

**Eye Contact:** IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 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.

**Ingestion:** IF SWALLOWED: Call a 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.

### 5. FIRE FIGHTING MEASURES

**Flammability Summary (OSHA):** Combustible above 93 deg. C / 200 deg. F.

**Flammable Properties**

| Flash Point: | 100 °C |

**Fire / Explosion Hazards:** May be ignited by open flame.

**Extinguishing Media:** Water fog  Carbon dioxide (CO2)  Foam  Dry powder

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Pool Season Algaecide 60%

REVISION DATE : 09/06/2011
Fire Fighting Instructions: Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

Spill Mitigation Procedures
- Air Release: not applicable
- Water Release: soluble
  - If the product contaminates rivers and lakes or drains inform respective authorities.
- Land Release: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Do not contaminate ponds, waterways or ditches with chemical or used container.
- Additional Spill Information: Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas. Remove all sources of ignition.

7. HANDLING AND STORAGE

Handling: Do not take internally. Avoid contact with skin, eyes and clothing. If in eyes or on skin, rinse well with water. Avoid breathing vapors, mist or gas.

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Do not freeze.

Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: No exposure limits exist for the constituents of this product. Additional ventilation beyond that of general exhaust is not normally required.

Protective Equipment for Routine Use of Product
Respiratory Protection: Respiratory protection not normally needed. If vapors, mists or aerosols are generated, wear a NIOSH approved respirator. Wear a NIOSH approved N95 respirator.

Skin Protection: Impervious gloves
Eye Protection: Safety glasses with side-shields
Protective Clothing Type: Impervious clothing
General Protective Measures: Emergency eyewash should be provided in the immediate work area.

Exposure Limit Data

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>Name of Limit</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
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9. PHYSICAL AND CHEMICAL PROPERTIES

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<th>Property</th>
<th>Value</th>
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<tr>
<td>Color</td>
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<tr>
<td>Odor</td>
<td>No data.</td>
</tr>
<tr>
<td>Molecular Weight</td>
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<tr>
<td>Specific Gravity</td>
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<tr>
<td></td>
<td>20 °C 6.0 - 8.0</td>
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<tr>
<td>pH</td>
<td>No data.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 100 °C 212 °F</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>&lt; 0 °C 32 °F</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&lt; 0 °C 32 °F</td>
</tr>
<tr>
<td>Density</td>
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</tr>
<tr>
<td>Bulk Density</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
<td>no data available</td>
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<tr>
<td>Viscosity</td>
<td>125 mPas 20 °C</td>
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<tr>
<td>Solubility in Water</td>
<td>completely soluble</td>
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<tr>
<td>Partition coefficient n-octanol/water</td>
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</tr>
<tr>
<td>Evaporation Rate</td>
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<tr>
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<tr>
<td>Volatiles, % by vol.</td>
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</tr>
<tr>
<td>VOC Content</td>
<td>no data available</td>
</tr>
</tbody>
</table>
HAP Content: No data

10. STABILITY AND REACTIVITY

Stability and Reactivity Summary: Stable under normal conditions.
Conditions to Avoid: Heat, flames and sparks.
Chemical Incompatibility: Anionic polymers
Hazardous Decomposition Products: Carbon monoxide
Decomposition Temperature: No data

11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology
Oral LD50 value:
POLY [OXYETHYLENE (DIMETHYLMINIO) ETHYLENE] LD50 (60% Active Ingredient) = 1,951 mg/kg rat male
POLY [OXYETHYLENE (DIMETHYLMINIO) ETHYLENE] LD50 (60% Active Ingredient) = 2,587 mg/kg rat female

Component Animal Toxicology
Dermal LD50 value:
POLY [OXYETHYLENE (DIMETHYLMINIO) ETHYLENE] LD50 (60% Active Ingredient) > 2,000 mg/kg rabbit

Component Animal Toxicology
Inhalation LC50 value:
POLY [OXYETHYLENE (DIMETHYLMINIO) ETHYLENE] LC50 4 h (60% Active Ingredient) = 2.9 ppm rat

Product Animal Toxicity
Oral LD50 value:
LD50 = 1,951 mg/kg rat male
LD50 = 2,587 mg/kg rat female
Dermal LD50 value:
LD50 > 2,000 mg/kg rabbit
Inhalation LC50 value:
LC50 4 h Approximately 3 ppm rat
Skin Irritation: Contact would be expected to cause transient redness if not washed off and left on the skin for an extended period of time, Not considered to be a primary skin irritant.
Eye Irritation: May cause mild eye irritation.
Skin Sensitization: This material is not known or reported to be a skin or respiratory sensitizer. A similar product was found to be a negative skin sensitizer in the Guinea pig Buehler method test.

Acute Toxicity: May cause mild eye irritation. Ingestion may cause mild gastrointestinal discomfort.
Subchronic / Chronic Toxicity: Not known or reported to cause subchronic or chronic toxicity.

Reproductive and Developmental Toxicity: This chemical has been tested in laboratory animals and no evidence of teratogenicity or fetotoxicity was seen.
Mutagenicity: Not known or reported to be mutagenic. A similar product was tested in a mutagenicity assay and was found to be non-mutagenic under the conditions of the test.
Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE

A two-year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

12. ECOLOGICAL INFORMATION

Overview: Very toxic to aquatic life.

Ecological Toxicity Values for: POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE

<table>
<thead>
<tr>
<th>Species</th>
<th>LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainbow trout (Salmo gairdneri)</td>
<td>0.047</td>
</tr>
<tr>
<td>Bluegill sunfish</td>
<td>0.21</td>
</tr>
<tr>
<td>Fathead minnow (Pimephales promelas),</td>
<td>0.26</td>
</tr>
<tr>
<td>Mysid shrimp</td>
<td>13</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>0.37</td>
</tr>
</tbody>
</table>
13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary: If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

Potential US EPA Waste Codes: not applicable

14. TRANSPORT INFORMATION

Land (US DOT): UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE]) 9 III

Water (IMDG): UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE]) 9 III MARINE POLLUTANT

Air (IATA): UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE]) 9 III

Emergency Response Guide Number: ERG # 171

Transportation Notes: Material is not regulated for ground transportation within the US if shipped in non-bulk packages. Material is not regulated as a marine pollutant for ground, rail car, or aircraft transportation within the USA if shipped in non bulk packages per marine pollutant exception 49 CFR 171.4(c).

EMS: F-A, S-F

15. REGULATORY INFORMATION

UNITED STATES:
Toxic Substances Control Act (TSCA): This is an EPA registered pesticide.
EPA Pesticide Registration Number: None established
FIFRA Listing of Pesticide Chemicals (40 CFR 180):
This product is regulated under the Federal Insecticide, Fungicide and Rodenticide Act. It must be used for purposes consistent with its labeling.

Superfund Amendments and Reauthorization Act (SARA) Title III:
Hazard Categories Sections 311 / 312 (40 CFR 370.2):
Health Immediate (Acute) Health Hazard
Physical None

Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:
ZUS_SAR302 TPQ (threshold planning quantity) None established

Reportable Quantity (49 CFR 172.101, Appendix):
ZUS_CERCLA Reportable quantity None established
ZUS_SAR302 Reportable quantity None established

Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components
ZUS_SAR313 De minimis concentration None established

Clean Air Act Toxic ARP Section 112r:
CAA 112R None established

Clean Air Act Socmi:
HON SOC None established

Clean Air Act VOC Section 111:
CAA 111 None established

Clean Air Act Haz. Air Pollutants Section 112:
ZUS_CAAHAP None established
ZUS_CAAHRP None established
CAA AP None established

State Right-to-Know Regulations Status of Ingredients
Pennsylvania:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>COMPONENT NAME</th>
</tr>
</thead>
</table>

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ZUSPA_RTK  None established

**New Jersey:**

<table>
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**Massachusetts:**

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**California Proposition 65:**

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</table>

**WHMIS Hazard Classification:**

None established

**16. OTHER INFORMATION**

MSDS REVISION STATUS :

SECTIONS REVISED: 15

Major References: Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT.