FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL: 1-800-654-6911 (OUTSIDE USA: 1-423-780-2970)
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®: 1-800-424-9300 (OUTSIDE USA: 1-703-527-3887)
FOR ALL SDS QUESTIONS & REQUESTS, CALL: 1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

PRODUCT NAME: ROBARB SUPER BLUE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Supplier
Robarb
1400 Bluegrass Lakes Parkway,
Alpharetta, GA, 30004
USA

Telephone: +17705215999
Telefax: +17705215959
Web: www.poolspacare.com

Manufacturer
Advantis Technologies
1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004
United States of America

REVISION DATE: 05/26/2015
SUPERCEDES: 02/11/2011
MSDS Number: 000000024430
SYNONYMS: None
CHEMICAL FAMILY: None
DESCRIPTION / USE: None established
FORMULA: None established

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Not a dangerous substance according to GHS.

GHS Label element
Not a dangerous substance according to GHS.

Other hazards
None known.
SECTION 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>2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPYL-, C</td>
<td>26062-79-3</td>
<td>0 - 7</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Inhalation: IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.

Skin Contact: IF ON SKIN: Flush skin with water for 15 minutes. Take off all contaminated clothing. Seek medical attention if irritation develops.

Eye Contact: IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

Ingestion: IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING 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

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.

Hazardous Combustion Products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

SECTION 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: Keep people away from and upwind of spill/leak.
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.

SECTION 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 vapours, mist or gas.

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Do not store at temperatures below: 40 Deg. F (4.4 Deg. C)

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

SECTION 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.
Skin Protection: Impervious gloves
Eye Protection: Safety glasses with side-shields
Protective Clothing Type: Impervious clothing

Components with workplace control parameters

no data available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid
Form: No data.
Color: blue
Odor: No data.
Molecular Weight: None established
pH: 2.0 - 3.0
Boiling Point: 212 °F (100 °C)
Melting point/freezing point: No data
Bulk Density: ()
Vapor Pressure: no data available
Vapor Density: no data available
Viscosity: no data available
Solubility in Water: soluble in cold water
Partition coefficient n-octanol/water: No data.
Evaporation Rate: No data
Oxidizing: None established
Volutiles, % by vol.: no data available
VOC Content: no data available

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

HAP Content: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity Summary: Stable under normal conditions.
Conditions to Avoid: Heat, flames and sparks.
Chemical Incompatibility: Oxidizing agents
Hazardous Decomposition Products: Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride
Decomposition Temperature: No data

SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology
Oral LD50 value:
2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, C
LD50 > 5,000 mg/kg Rat

Component Animal Toxicology
Dermal LD50 value:
2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, C
LD50 > 20,000 mg/kg Rabbit

Component Animal Toxicology
Inhalation LC50 value:
2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, C
No data
PROPENYL-, C

Product Animal Toxicity

**Oral LD50 value:** LD50 > 5,000 mg/kg  Rat  
**Dermal LD50 value:** LD50 > 2,000 mg/kg  Rabbit  
**Inhalation LC50 value:** no data available  
**Skin Irritation:** Not expected to cause irritation.  
**Eye Irritation:** Not expected to cause irritation.  
**Skin Sensitization:** Not believed to be sensitising to skin.  

**Acute Toxicity:** There are no known or reported target organ effects from acute exposure.  
**Subchronic / Chronic Toxicity:** Not known or reported to cause subchronic or chronic toxicity.  

**Reproductive and Developmental Toxicity:** Not known or reported to cause reproductive or developmental toxicity.  
**Mutagenicity:** Not known or reported to be mutagenic.  
**Carcinogenicity:** This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Overview:** No data for product. Individual constituents are as follows:

**Ecological Toxicity Values for:** 2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, C

<table>
<thead>
<tr>
<th>Organism</th>
<th>LC50</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluegill sunfish</td>
<td>0.82 - 1.3 mg/l</td>
<td>(40% Solution)</td>
</tr>
<tr>
<td>Rainbow trout (Salmo gairdneri),</td>
<td>0.37 mg/l</td>
<td>(40% Solution)</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>0.9 mg/l</td>
<td>(In clear water), (40% Solution)</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>1.2 - 2.5 mg/l</td>
<td>(In 50 ppm clay suspension), (40% Solution)</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>24.8 mg/l</td>
<td>(In 1000 ppm clay suspension), (40% Solution)</td>
</tr>
</tbody>
</table>

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**SECTION 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.

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

TDG
Not dangerous goods

IATA
Not dangerous goods

IMDG-CODE
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

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

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

SARA 302
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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.
Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

- Sodium hypochlorite 7681-52-9 0.0003 %
- Sodium hydroxide 1310-73-2 0.0001 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

- Sodium hypochlorite 7681-52-9 0.0003 %
- Sodium hydroxide 1310-73-2 0.0001 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

No components are subject to the Pennsylvania Right to know act

New Jersey Right To Know

2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer 26062-79-3

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
The components of this product are reported in the following inventories:

**TSCA**: The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

**Inventories**

- AICS (Australia)
- DSL (Canada)
- IECSC (China)
- REACH (European Union)
- ENCS (Japan)
- ISHL (Japan)
- KECI (Korea)
- NZIoC (New Zealand)
- PICCS (Philippines)
- TSCA (USA)

### SECTION 16. OTHER INFORMATION

**SECTIONS REVISED:** 1

**Major References:** Available upon request.

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**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.**