SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: POOL TIME® SHOCK TREATMENT
Product Use Description: Recreational Water Product
Registration number: 67262-36
Company: Recreational Water Products, Inc.
PO Box 1449
Buford, GA
30515-1449
Telephone: (800) 859-7946

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300, 703-527-3887
Poison Control Center (Medical): (877) 800-5553
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
07/15/2011
(US) +1 866-430-2775
+011-886-2-2712-5668 MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Danger

Form: granules  Colour: white  Odour: Chlorine

Hazard Summary:
Corrosive
Causes serious eye damage.
Harmful if swallowed.
May be fatal if inhaled.
Avoid breathing dust or vapor.
Irritating to skin.
May cause burns or external ulcers.
Irritating to respiratory system.
Do not get in eyes, on skin, or on clothing.

OSHA Hazards:

Potential Health Effects

Primary Routes of Entry: Skin contact
Inhalation
Ingestion
Eye contact

Inhalation : Irritating to respiratory system.
May be fatal if inhaled.

Skin : Irritating to skin.
May cause burns or external ulcers.

Eyes : Causes serious eye damage.

Ingestion : Harmful if swallowed.

<table>
<thead>
<tr>
<th>Component / CAS-No.</th>
<th>Weight percent</th>
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<tbody>
<tr>
<td>Trichloro-s-triazinetronetrione</td>
<td>53.5 %</td>
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<td>87-90-1</td>
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<tr>
<td>Trade secret 031</td>
<td>25 - 30 %</td>
</tr>
<tr>
<td>Trade secret 001</td>
<td>4 - 6 %</td>
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SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation : Remove 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 CENTER or doctor/physician.

Skin contact : Remove contaminated clothing and shoes.
Rinse immediately with plenty of water for at least 15 minutes.
Call a POISON CENTER or doctor/physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
Call a POISON CENTER or doctor/physician.

Ingestion : Call a physician or poison control centre immediately.
Have person sip a glass of water if able to swallow.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Do not give anything by mouth to a convulsing or unconscious person.

Notes to physician

Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.
SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties
Flash point: Remarks: not applicable

Fire fighting
Suitable extinguishing media: Flood with large volumes of water.
Unsuitable extinguishing media: ABC powder, Dry powder. Risk of violent reaction.
Further information: Do not let fire burn.

Protective equipment and precautions for firefighters
Specific hazards during fire fighting: Under extreme heat (greater than 400F), this product will evolve noxious chlorine containing gases.
Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up: Using appropriate protective clothing and safety equipment, contain spilled material. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal. Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form.
Additional advice: Do not use floor sweeping compounds to clean up spills. Do not transport wet or damp material. Treat recovered material as described in the section "Disposal considerations". Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

SECTION 7. HANDLING AND STORAGE

Handling
Handling procedures: Contains a strong oxidizing agent. Avoid breathing dust. Avoid breathing vapors. Do not mix with other chemicals. Never add water to this product. Always add product in dry form directly to pool or pool skimmer.
Use only clean and dry utensils. Do not add this product to any dispensing devices containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood with large volumes of water. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Do not handle until all safety precautions have been read and understood.

Storage
Requirements for storage areas and containers:
- Store in original container.
- Keep container closed when not in use.
- Store in a cool, dry, well ventilated area away from heat or open flame.
- Keep out of reach of children.
- Keep away from animals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Engineering measures
Engineering measures:
- Use only with adequate ventilation.
- Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment
Eye protection:
- Safety glasses with side-shields

Hand protection:
- Wear rubber gloves.

Respiratory protection:
- A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures:
- Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form:
- granules

Colour:
- white

Odour:
- Chlorine
### Safety data

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<th>Property</th>
<th>Value</th>
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<tr>
<td>pH</td>
<td>ca. 3.7</td>
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<tr>
<td>Freezing point</td>
<td>Note: Not Available</td>
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<tr>
<td>Boiling point/boiling range</td>
<td>Note: not applicable</td>
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<tr>
<td>Vapour pressure</td>
<td>Note: Not Available</td>
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<tr>
<td>Density</td>
<td>0.995 g/cm³ at 77 °F (25 °C)</td>
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<tr>
<td>Water solubility</td>
<td>34 g/l</td>
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<tr>
<td>Relative vapour density</td>
<td>Note: Not Available</td>
</tr>
</tbody>
</table>

### SECTION 10. STABILITY AND REACTIVITY

**Conditions to avoid**
- Remarks: High temperatures.
- Poor ventilation.
- Contamination
- Moisture/high humidity.

**Materials to avoid**
- Remarks: Avoid contact with water on concentrated material in the container.
- Do not mix with other swimming pool/spa chemicals in their concentrated forms.
- Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material; ammonia, urea, or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; other swimming pool/spa chemicals in their concentrated form; alkalis. Avoid contact with all other chemicals.

**Hazardous decomposition products**
- Note: Chlorine containing gases can be produced.

**Thermal decomposition**
- 200 °C

**Hazardous reactions**
- Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity**
- LD50: 1,435 mg/kg
- Species: rat

**Acute inhalation toxicity**
- Remarks: Irritating to respiratory system.
- Harmful by inhalation.

**Acute dermal toxicity**
- > 2,000 mg/kg
Species: rabbit

Skin irritation  
Remarks: Irritating to skin.  
May cause burns or external ulcers.

Eye irritation  
Remarks: Causes serious eye damage.

Sensitisation  
Remarks: This product is not expected to be a skin sensitizer.

12. ECOLOGICAL INFORMATION

Toxicity to fish

Trichloro-s-triazinetrione  
LC50: 0.24 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)

Trade secret 031  
LC50: 315 mg/l  
Exposure time: 96 h  
Species: Fish

Trade secret 001  
LC50: 37 mg/l  
Exposure time: 96 h  
Species: Gambusia affinis (Mosquito fish)  
static test  
LC50: 33.9 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (fathead minnow)  
flow-through test

Toxicity to daphnia and other aquatic invertebrates.

Trichloro-s-triazinetrione  
LC50: 0.21 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

Trade secret 001  
LC50: ca. 6.57 mg/l  
Exposure time: 48 h

Toxicity to algae

Trichloro-s-triazinetrione  
EC50: 655 mg/l  
Exposure time: 96 h  
Species: Algae

Toxicity to bacteria

Trade secret 031  
770 mg/l  
Exposure time: 17 h  
Species: Bacteria
Bioaccumulation

Trade secret 031
Remarks: Bioconcentration factor (BCF): 0.5
Bioaccumulation is unlikely.

Trade secret 001
Remarks: Bioaccumulation is unlikely.

Further information on ecology

Additional ecological information
Remarks:
Toxic to fish.
Toxic to aquatic organisms.
Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information
Dispose of waste material in compliance with all federal, state, and local regulations.
If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. For registered pesticides, contact your State Pesticide Agency.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor.
Contact with incompatible materials could cause a reaction or fire.
Improper disposal of excess product, spray mixture or rinsate is a violation of Federal Law.

Contaminated packaging
Do not re-use empty containers.
Rinse thoroughly before discarding in trash.
Offer rinsed packaging material to local recycling facilities.

SECTION 14. TRANSPORT INFORMATION

DOT
UN number: 3077
Description of the goods: Environmentally hazardous substances, solid, n.o.s.
Class: 9
Packing group: III
ERG Code: 171
SECTION 15. REGULATORY INFORMATION

OSHA Hazards : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

CERCLA Reportable Quantity : 5000 lbs

SARA 311/312 Hazards : Acute Health Hazard
                          Fire Hazard
                          Reactivity Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable Quantity :
SECTION 16. OTHER INFORMATION

Further information

**HMIS Classification**
- Health hazard: 3
- Flammability: 0
- Reactivity: 1
- PPI: Ask supervisor or safety specialist for handling instructions

**NFPA Classification**
- Health hazard: 3
- Fire Hazard: 0
- Reactivity Hazard: 1
- Specific hazards: OX Class 1 Oxidizer.

**Other Emergency Phone Number**

<table>
<thead>
<tr>
<th>Region</th>
<th>Contact</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Latin America:</td>
<td>Brazil</td>
<td>+55 113 711 9144</td>
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<tr>
<td></td>
<td>All other countries</td>
<td>+44 (0) 1235 239 670</td>
</tr>
<tr>
<td>Mexico:</td>
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<td>+52 555 004 8763</td>
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