CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Aqua Chem Shock Plus
GENERAL USE: Swimming pool shock, buffer, clarifier and flocculant

MANUFACTURER
Recreational Water Products
Aqua Chem
PO Box 887
Scottsdale, GA 30079
Customer SERVICE: (800) 949-7946

24 HR. EMERGENCY TELEPHONE NUMBERS
CHEMTREC (Transportation) (800) 424-9300
Poison Control Center (Medical)(877) 800-5553

COMMENTS:
Aqua Chem Shock Plus has not been accepted by the U.S. EPA for use as a sanitizer, disinfectant or algicide.

COMPOSITION / INFORMATION ON INGREDIENTS

The specific identity of the component(s) of this product is withheld as a trade secret.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS#</th>
<th>EINECS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dichloro-s-triazinetrole</td>
<td>60</td>
<td>2893-78-9</td>
<td>220-767-7</td>
</tr>
<tr>
<td>(trade secret #1)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:
White, granular material

IMMEDIATE CONCERNS:
DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or protective goggles and rubber gloves when handling this product. Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before use.

POTENTIAL HEALTH EFFECTS

EYES:
Corrosive. Causes irreversible eye damage.

SKIN:
Harmful if absorbed through skin.
Aqua Chem Shock Plus

INGESTION:
Harmful if swallowed

INHALATION:
Harmful if inhaled. Avoid breathing dust.

CHRONIC:
This product contains a boron compound. This boron compound, when fed to test animals at very high doses, has shown reproductive and developmental toxicity. When this product is used according to label directions, the boron compound in this product does not represent a practical risk to man.

ROUTES OF ENTRY:
Skin Contact, Inhalation, Ingestion, Eye Contact.

COMMENTS HEALTH:
There are no known chronic hazards.

4. FIRST AID MEASURES

EYES:
If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

SKIN:
If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists

INGESTION:
If swallowed: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

INHALATION:
If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

NOTES TO PHYSICIAN:
Probable mucosal damage may contraindicate the use of gastric lavage

FIRE FIGHTING MEASURES

GENERAL HAZARD:
This product should not be exposed to external heat sources. Excessive heat may cause self-sustaining decomposition with the potential evolution of heat and noxious gases.
MATERIAL SAFETY DATA SHEET

MSDS

Aqua Chem Shock Plus

EXTINGUISHING MEDIA:
Water Fog

HAZARDOUS COMBUSTION PRODUCTS:
If allowed to reach temperatures resulting in decomposition and/or combustion, this product will liberate noxious chlorine gases.

EXPLOSION HAZARDS:
This product does not pose an immediate explosion hazard.

FIRE FIGHTING PROCEDURES:
Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

HAZARDOUS DECOMPOSITION PRODUCTS:
In the event of a decomposition and/or fire, extinguished material should be isolated. Any spilled material from burned or damaged containers should be assumed contaminated. Neutralize contaminated material to a non-oxidizing state for safe handling and disposal. To minimize unforeseen pressure buildup, do not attempt to re-close (seal) damaged containers of product.

ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: 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 use floor sweeping compounds to clean up spills. Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form. Do not transport wet or damp material. Keep product out of sewers, watersheds and water systems. Dispose of according to local, state and federal regulations.

HANDLING AND STORAGE

HANDLING:
This product contains OXIDIZING AGENTS. Do not mix with other chemicals or allow this product to become contaminated with organic materials or other chemicals that could lead to product decomposition and/or fire. Mix only with water. Never add water to this product. Always add product to large volumes of water. Use clean dry utensils. Do not add this product to any dispensing device (chemical feeder, etc.) containing remnants of any other product.
MATERIAL SAFETY DATA SHEET

Aqua Chem Shock Plus

STORAGE:
Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area.
Keep this product and all other chemicals out of children's reach.

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>SUPPLIER OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dichloro-s-triazinetione</td>
<td>N/E[1]</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

The specific identity of the component(s) of this product is withheld as a trade secret.

ENGINEERING CONTROLS:
General room ventilation plus local exhaust should be used to minimize exposure to vapors.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:
Wear goggles or safety glasses with side shields when handling this product.

SKIN:
Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY:
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.

WORK HYGIENIC PRACTICES:
Remove and wash contaminated clothing before reuse.

OTHER USE PRECAUTIONS:
Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.
PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
ODOR: Chlorine
APPEARANCE: Granules
COLOR: White
pH: 6 to 7
MELTING POINT: >250°C
SOLUBILITY IN WATER: 25g/100g water

STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

STABILITY:
This product is stable under normal conditions.

POLYMERIZATION:
Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:
Halogen containing gases can be produced.

INCOMPATIBLE MATERIALS:
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. Other swimming pool/spa chemicals in their concentrated forms.

TOXICOLOGICAL INFORMATION

EYE EFFECTS:
Causes irreversible eye damage.

SKIN EFFECTS:
Harmful if absorbed through skin.

CARCINOGENICITY:
This product is not listed as a carcinogen by IARC.
This product is not listed as a carcinogen by NTP.
This product is not listed as a carcinogen by OSHA.
Aqua Chem Shock Plus

GENERAL COMMENTS:
This product is not a mutagen or teratogen.

ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:
This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:
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.

PRODUCT DISPOSAL:
Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

EMPTY CONTAINER:
Do not reuse container. Rinse thoroughly before discarding in trash.

TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Not Regulated.

REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA REGULATORY: This product or its components are not subject to export notification.
TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE:
Product is hazardous by definition of the Hazardous Communication Standard

CLEAN WATER ACT:
Not Listed.
GENERAL COMMENTS:
FIFRA (Federal Insecticide, Fungicide, Rodenticide Act):
This product is not a registered pesticide.

OTHER INFORMATION

REVISION SUMMARY
Revision #: 9

This MSDS replaces the September 22, 1998 MSDS. Any changes in information are as follows:

NFPA CODES
HEALTH: 3  FIRE: 1  REACTIVITY: 1

HMIS CODES
HEALTH: 3  FIRE: 1  REACTIVITY: 1  PROTECTION: B

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