

Material Safety Data Sheet

POOL TIME™ SHOCK XTRA BLUE™

Version: 1.2

Revision Date: 09/07/2010

Print Date: 11/02/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *POOL TIME™ SHOCK XTRA BLUE™*

Product Use Description: Recreational Water Product

Company: Recreational Water Products
Pool Time
PO Box 1449
Buford, GA
30515-1449

Telephone: (800) 949-7946

Emergency telephone: 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
(US) +1 866-430-2775

+011-886-2-2712-5668 MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Danger

Form: granules

Colour: blue green to blue

Odour: Chlorine

Hazard Summary

:
Corrosive
Oxidizer
Causes serious eye damage.
Causes skin burns.
Causes respiratory tract irritation.
Harmful if absorbed through skin.
May be fatal if swallowed.
Avoid breathing dust or vapor.
Do not get in eyes, on skin, or on clothing.

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OSHA Hazards

: THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

Potential Health Effects

Primary Routes of Entry

: Inhalation
Eye contact
Skin contact
Ingestion

Inhalation

: Causes respiratory tract irritation.

Skin

: Harmful if absorbed through skin.
Causes skin irritation.
On contact with moisture, this material readily hydrolyzes to acid which may result in burns if not promptly removed.
May cause allergic skin reaction.

Eyes

: Causes serious eye damage.

Ingestion

: May be fatal if swallowed.

Chronic Exposure

: 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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Weight percent
Sodium Dichloro-S-Triazinetrione	2893-78-9	63.05 %
Inorganic salt		< 25 %
Trade secret 001		< 10 %
Boron salt		< 5 %
Zinc compound		< 5 %
copper citrate	10402-15-0	< 1 %

Available Chlorine: 39%., Copper derived from copper citrate.

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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 30 minutes.
Call a POISON CENTER or doctor/physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 30 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 told to do so by the poison control center or doctor.
Do not give anything by mouth to an 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 : In the event of fire, wear self-contained breathing apparatus.

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for fire-fighters

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 : Clean-up methods - small spillage
In case of spills, scoop up and place product in pool or spa water, then flood spilled area with large volumes of water.
Clean-up methods - large spillage
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 : Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Avoid breathing vapors.
Avoid creating dust.
Do not mix with other chemicals.
Mix only with water.
Never add water to this product.
Contamination with moisture, organic matter or other chemicals may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion.
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.
In case of contamination or decomposition, do not reseal container.
If possible, isolate container in open air or well ventilated area.
Always add product to large quantities of water.
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.

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Storage

Requirements for storage areas and containers : Keep this product dry in its original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
For bags: Store dry product in its original unopened bag until use. For partially used bags, fold over top of bag and secure with adhesive tape.
For bottles: Store dry product in original tightly closed container when not in use.
Keep out of reach of children.
Keep away from animals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Engineering measures

Engineering measures : Use 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 : No personal respiratory protective equipment normally required.
If product is used in an area with poor ventilation and mist or vapor is expected, a respirator that meets OSHA/ANSI standards may be required.
Hygiene measures : Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : granules
Colour : blue green
to
blue
Odour : Chlorine

Safety data

Flash point : Note: not applicable

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pH	: 4.6 - 4.8 Note: 1% Solution
Melting point/range	: 522 °F (272 °C) Note: Decomposes
Boiling point/boiling range	: Note: not applicable
Vapour pressure	: Note: Not Available
Density	: 1.02 - 1.04 g/cm3
Water solubility	: 250 g/l
Relative vapour density	: Note: Not Available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Remarks: Moisture/high humidity. Poor ventilation. High temperatures. Contamination
Materials to avoid	: Remarks: 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. Sulphur oxides nitrogen oxides (NOx) Note: Hydrogen cyanide
Hazardous reactions	: Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 581 mg/kg Species: rat
Acute inhalation toxicity	: Remarks: Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns.

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- Acute dermal toxicity : LD50: > 2,000 mg/kg
Species: rat
- Skin irritation : Remarks: Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns.
- Eye irritation : Remarks: Corrosive - causes irreversible eye damage.
- Sensitisation : Remarks: Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Toxicology Assessment

- CMR effects : Mutagenicity:
No mutagenic data are available for the product, although aluminum sulfate, a component of this product, has been shown to cause mutagenic effects in the mammalian chromosomal aberration test in human lymphocytes, but is not mutagenic in other in vitro tests. There is no indication that aluminum sulfate is carcinogenic or affects fertility. When this product is used according to label directions, the aluminum sulfate in this product does not present a practical health risk. (EN)

12. ECOLOGICAL INFORMATION

- Toxicity to fish
Trade secret 001 : LC50: 37 mg/l
Exposure time: 96 h
Species: Gambusia affinis (Mosquito fish)

- Toxicity to daphnia and other aquatic invertebrates.
Boron salt : > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

- Toxicity to algae
Boron salt : > 100 mg/l
Exposure time: 72 h
Species: Algae

- Bioaccumulation
Trade secret 001 : Remarks:
Bioaccumulation is unlikely.

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Further information on ecology

Additional ecological information : 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.
Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor.
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.
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 : 1759
Description of the goods : Corrosive solids, n.o.s.
(SODIUM DICHLORO-S-TRIAZINETRIONE,
COPPER COMPOUNDS)
Class : 8
Packing group : III
ERG Code : 154

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IATA

UN-Number : 1759
Description of the goods : Corrosive solid, n.o.s.
(SODIUM DICHLORO-S-TRIAZINETRIONE,
COPPER COMPOUNDS)
Class : 8
Packing group : III

IMDG

UN-Number : 1759
Description of the goods : CORROSIVE SOLID, N.O.S.
(SODIUM DICHLORO-S-TRIAZINETRIONE,
COPPER COMPOUNDS)
Class : 8
Packing group : III
EmS Letter 1 : F-A
EmS Letter 2 : S-B
Marine pollutant : yes
SODIUM DICHLORO-S-TRIAZINETRIONE
COPPER COMPOUNDS

ORM-D Consumer Commodity exemption possible

Limited Quantity exemption possible

Not regulated if shipped or transported in containers less than 400 KG.

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

The components of this product are reported in the following inventories:

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TSCA

Note: Listed

SECTION 16. OTHER INFORMATION

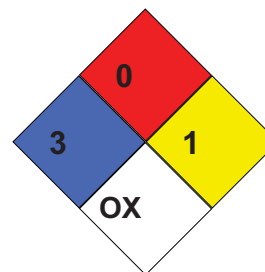
Further information

HMIS Classification

: Health hazard: 3
Flammability: 0
Physical hazards: 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

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.