

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

The recipient of this Safety Data Sheet is urged to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Omni ® Crystal Clear Multi Shock
Product Use Description: Recreational Water Product
Chemical nature: Chlorinated Isocyanurates
EPA Registration Number: 5185-475-10305

Company: Manufacturer
Asepsis, Inc.
OMNI POOL PRODUCTS
P.O. Box 1788
Suwanee, GA
United States of America30024-0973

Emergency telephone: CHEMTREC (US Transportation) :
(800) 424-9300
(703) 527-3887
Poison Control Center (Medical) :
(877) 800-5553

Customer Service: (800) 959-7946

Prepared by: Product Safety Department
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER!

Form: granules
Colour: white
Odour: Chlorine

Corrosive
Oxidizer
Causes severe eye damage.
Harmful if swallowed.
Harmful if absorbed through skin.
Avoid breathing dust or vapor.

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

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

May be harmful if inhaled.
Causes skin irritation.
May cause sensitization by skin contact.
Do not get in eyes, on skin, or on clothing.

Potential Health Effects

- Primary Routes of Entry : Skin contact
Eye contact
Inhalation
Ingestion
- Aggravated Medical Condition : Respiratory disorders
Skin disorders
- Inhalation : Causes respiratory tract irritation.
- 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 severe eye damage.
- Ingestion : Harmful 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.	Concentration
Sodium dichloro-s-triazinetrione	2893-78-9	58.2 %
Inorganic salt		15 - 25 %
Trade Secret 001		5 - 15 %
Trade Secret 016		1 - 10 %

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Remove to fresh air.

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
Call a POISON CENTRE or doctor/physician.

- Skin contact : Remove contaminated clothing and shoes.
Rinse immediately with plenty of water for at least 15 minutes.
Call a POISON CENTRE 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 CENTRE 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 : not applicable

Protective equipment and precautions for firefighters

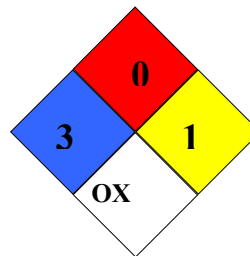
- Suitable extinguishing media : Flood with large volumes of water.
- Unsuitable extinguishing media : ABC powder
Dry powder
Risk of violent reaction.
- Hazardous decomposition products : Chlorine containing gases can be produced.
- Further information : When ignited, will burn with the evolution of noxious chlorine containing gases.
Do not let fire burn.
- 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.

Further information

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

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



Additional advice : Oxidizer Test Results: This product was not classified as an oxidizer when tested by the UN Oxidizer Test.

Nitrogen trichloride can be generated slowly by the reaction of small quantities of water with a high concentration of this product. Nitrogen trichloride can present an explosion hazard. Immediately after a fire has been extinguished, check for wet or damp material. Any spilled material from burned or broken containers should be assumed contaminated. Neutralize to a non-oxidizing material for safe disposal. Do not attempt to re-close broken containers, even for movement to the disposal area. They should be left open to disperse any nitrogen trichloride that may form. Material which appears undamaged except for being damp on the outside, should be opened and inspected immediately. If the plastic liner (where applicable) of the container is damaged or the material is damp, the material should be chemically treated if allowable, to a non-oxidizing material for safe disposal. Bulging containers require extreme care. Contact the fire department.

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 - 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.
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.
- 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
- Advice on safe handling : Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Avoid breathing vapors.

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

Contains a strong oxidizing agent.
 Do not mix with other chemicals.
 Mix only with water.
 Never add water to this product.
 Always add product to large quantities of water.
 When using automatic feeding devices, always follow manufacturer's directions as to the proper addition of sanitizer product to brominators.
 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.
 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 : 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****Components with workplace control parameters**

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
Trade Secret 016	TWA ; OSHA PO 1989-03-01	10 mg/m3	
Trade Secret 016	TWA ; ACGIH 2005-01-01	2 mg/m3	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.
Trade Secret 016	STEL ; ACGIH 2005-01-01	6 mg/m3	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.

Exposure Guidelines**Components with workplace control parameters**

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
Trade Secret 001	TWA ; OSHA PO	2 mg/m3	Calculated as AI

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

	1989-03-01		
Trade Secret 001	TWA ; ACGIH 1994-09-01	2 mg/m3	Calculated as Alsoluble

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 : For prolonged or repeated contact use protective gloves.
Wear rubber gloves.
Not required under normal use.

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

Flash point : not applicable

pH : 5 - 5.5
1% Solution

Melting point/range : 522 °F (272 °C)

Boiling point/boiling range : not applicable

Vapour pressure : no data available

Relative density : 1.0

Water solubility : 250 g/l

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

Relative vapour density : Not Available

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : High temperatures.
Poor ventilation.
Contamination
Moisture/high humidity.
- Materials to avoid : 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 : Type: Hazardous decomposition products
Chlorine containing gases can be produced.
- Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50 rat female
Dose: 599 mg/kg

LD50 rat male
Dose: 862 mg/kg
- Acute dermal toxicity : LD50 rat
Dose: ca. 5,000 mg/kg
- Skin irritation : Irritating to skin.
- Eye irritation : Corrosive - causes irreversible eye damage.
- Sensitisation : Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : Toxic to fish.

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

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.

Component:

Sodium dichloro-s-triazinetriene

2893-78-9

Toxicity to fish:

LC50
Species: Oncorhynchus mykiss (rainbow trout)
Dose: 0.24 mg/l
Exposure time: 96 h
Information given is based on data on the components and the toxicology of similar products.

Toxicity to daphnia and other aquatic invertebrates.:

LC50
Species: Daphnia magna (Water flea)
Dose: 0.21 mg/l
Exposure time: 48 h
Information given is based on data on the components and the toxicology of similar products.

Toxicity to algae:

EC50
Species: Selenastrum capricornutum (green algae)
Dose: 655 mg/l
Exposure time: 96 h
Information given is based on data on the components and the toxicology of similar products.

SECTION 13. DISPOSAL CONSIDERATIONS

- Further information : Improper disposal of excess product, spray mixture or rinsate is a violation of Federal Law.
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 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.
- Contaminated packaging : Do not re-use empty containers.
Rinse thoroughly before discarding in trash.
Offer rinsed packaging material to local recycling facilities.

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

SECTION 14. TRANSPORT INFORMATION

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

Not recommended for shipment by air

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

SECTION 15. REGULATORY INFORMATION

National regulatory information

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

SARA Hazard category : Acute Health Hazard
Fire Hazard
Reactivity Hazard

US. EPA CERCLA (Product) : US. EPA CERCLA Hazardous Substances (40 CFR 302)
Listed

US CERCLA (Component) : US. Environmental Protection Agency (EPA); The 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).
Reportable quantity: 5,000 lbs
Trade Secret 001 || || 5 - 15 %

US CWA (Product) : Listed

US State Regulations

US MA RTK (Component) : US. The Commonwealth of Massachusetts Department of Public Health; Massachusetts Right-to-know law, The Massachusetts Substance List, 105 CMR 670.000
Massachusetts hazardous substance
Sodium dichloro-s-triazinetriene || 2893-78-9 || 58.2 %

Massachusetts hazardous substance
Trade Secret 001 || || 5 - 15 %

Massachusetts hazardous substance
Trade Secret 016 || || 1 - 10 %

Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

US NJ RTK
(Component)

: US. New Jersey Department of Environmental Protection -; Bureau of Hazardous Substances New Jersey Right to Know Law, Hazardous Substance List [P.L. 1983, C. 315, NJSA 34:5A-1 et seq]

hazardous substance

Sodium dichloro-s-triazinetrione	2893-78-9	58.2 %
----------------------------------	-----------	--------

hazardous substance

Inorganic salt		15 - 25 %
----------------	--	-----------

hazardous substance

Trade Secret 001		5 - 15 %
------------------	--	----------

US PA RTK
(Component)

: US. Commonwealth of Pennsylvania - Department of Labor and Industry; Pennsylvania Code Title 34, Labor and Industry Chapter 323

hazardous substance

Sodium dichloro-s-triazinetrione	2893-78-9	58.2 %
----------------------------------	-----------	--------

environmental hazard, hazardous substance

Trade Secret 001		5 - 15 %
------------------	--	----------

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

Additional advice :

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is a registered pesticide.

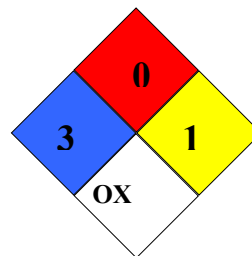
Omni ® Crystal Clear Multi Shock

Version:	1.0
Revision Date:	05/07/2008
Print Date:	09/22/2009

SECTION 16. OTHER INFORMATION

Further information

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



HMS Classification : Health Hazard: 3
Flammability: 0
Physical and chemical hazards: 1
PPI: Ask supervisor or safety specialist for handling instructions

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. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of the seller, it is the user's obligation to determine the conditions of safe use of the products.