



GEAR SIDE ← WEB DIRECTION →

PRODUCT VIEW DIE VIEW

CUSTOMER: PO# 33905Q
 SALES: JV DIE# TOOTH: 73 PITCH: 1/8
 ACROSS 1 DATE: 3-9-2005
 AROUND 1 REVISION: 0 DRW.BY: IR

american die technology

WEBSIDE DIRECTION

GEARSIDE

R 165.1866

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Stabilized • Chlorinating Sticks

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. **DO NOT HANDLE THIS PRODUCT WITH BARE HANDS. USE GLOVES OR THOROUGHLY CLEAN, DRY UTENSILS.**

DAILY

Adjust the chlorine dispensing rate of the floater or in-line feeder to provide 2.0-4.0 ppm of free chlorine residual as determined by a reliable test kit. The initial startup and weekly maintenance dosage is 1 to 3 sticks per 10,000 gallons although this dosage may vary due to unusual conditions such as heavy bather loads, wind, heavy rains, and high temperatures; therefore, frequent use of a reliable test kit is recommended. Use the test kit as a guide to maintain the pH at 7.4-7.6 and total alkalinity at 80-130 ppm. Pool chlorinating sticks are intended for use in a floater or in-line feeder only. Do not add these sticks directly to the pool or mix with any other chemicals.

Reentry into treated swimming pools is prohibited above levels of 3 ppm of chlorine.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE: Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. May be fatal if inhaled. Do not breathe dust or spray mists. Irritating to nose and throat. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARD.

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA.

CHEMICALS HAZARDS: DANGER: STRONG OXIDIZING AGENT.

Use only clean, dry utensils. Mix only with water. Contamination with moisture, dirt, organic matter, or other chemicals (including other pool chemicals), or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. Avoid any contact with flaming or burning material, such as a lighted cigarette. Do not use or mix this product with any other product or chemical, such as calcium hypochlorite. Such use may cause fire or explosion.

STORAGE AND DISPOSAL

STORAGE: Keep product dry in a tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flames. Do not reuse or refill empty container.

DISPOSAL: If empty: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP (800-253-2687) for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE: In the event you do not use the entire contents of this package, the remainder must be stored in a child-resistant container as required by U.S. Federal Government.

CONSUMER COMMODITY

ORM-D


Distributed by:
Blue Wave Products
St. Charles, IL 60174
1-800-759-0977

EPA REG. 46043-8-63084
EPA Est. No. 46043-FL-1

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MATERIAL SAFETY DATA SHEET

Date Issued: 01/06/2011

MSDS No: Blue Wave Sticks

Blue Wave Sticks

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blue Wave Sticks
GENERAL USE: Swimming Pool Sanitizer
ACTIVE INGREDIENT(S): Trichloro-s-triazinetriene

DISTRIBUTOR

Blue Wave Products
 1745 Wallace Ave # B
 St Charles, IL 60174
Product Stewardship: (800) 759-0977

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: White tablet

IMMEDIATE CONCERNS: DANGER. Corrosive: Causes irreversible eye damage and skin burns. May be harmful if absorbed through skin. May be fatal if inhaled. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: Causes irreversible eye damage.

SKIN: Causes skin burns. May be harmful if absorbed through skin.

INGESTION: Harmful if swallowed.

INHALATION: May be fatal if inhaled.

ROUTES OF ENTRY: Eyes, Skin, Respiratory and Digestive Tract

CANCER STATEMENT: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Trichloro-s-triazinetriene	99	87-90-1	201-782-8

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

INGESTION: Drink plenty of water in small gulps. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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ADDITIONAL INFORMATION: General information: Remove contaminated clothing and shoes immediately and launder thoroughly before reusing. Call a poison control center or doctor immediately for treatment advice.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

FLAMMABLE LIMITS: 0 to 0

FIRE FIGHTING PROCEDURES: Extinguish with large amounts of water. Do not use dry chemicals, carbon dioxide or halogenated agents.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing and SCBA when potential for exposure to products of combustion exists. Use large amounts of water. Small quantities of water with large quantities of hot product may lead to fire or explosion. Do not use CO₂, dry chemical, foam or halon.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposes at 225 Deg C. Keep inflammable materials away from product. Highly reactive oxidizing materials may result in fire.

COMMENTS: The product is not combustible, however it promotes fire. Containers close to fire should be transferred to a safe place. Heat causes increase in pressure and risk of bursting. Collect contaminated firefighting water separately. Do not discharge into drains.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up spill with a dry broom and contain. Do not allow material to sit on ground and become moist. Do not contaminate with water, organics or nitrogen compounds.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not discharge into drains or waterways.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation.

HANDLING: Keep away from sources of ignition. Heating leads to increase of pressure and danger of bursting.

Keep away from moisture. Avoid dust formation.

STORAGE: Keep containers tightly closed in a dry, well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Protect from atmospheric moisture and water. Product is hygroscopic. Keep under dry inert gas.

STORAGE TEMPERATURE: Less than 25 degrees Celsius.

COMMENTS: Do not store together with:

Organic materials, combustible materials, ammonia, ammonium compounds, alkalies, oxidizing agents, reducing agents, acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Trichloro-s-triazinetrione	TWA	Not Established	Not Established	Not Established	Not Established	[1]	[1]
	STEL	Not Established	Not Established	Not Established	Not Established		

Footnotes:
1. The TLV for Chlorine is 0.5 ppm (1.5 mg/m³) TWA and 1ppm STEL.

ENGINEERING CONTROLS: Local exhaust with circulation to the outside is needed in the event of decomposition which produces fumes and chlorine gas.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety glasses or goggles.

SKIN: Neoprene gloves. Wash thoroughly after handling.

RESPIRATORY: For product manufacturing or emergency situations, wear an OSHA-NIOSH approved full facepiece respirator equipped with chemical cartridge.

PROTECTIVE CLOTHING: Neoprene apron and impervious clothing.

WORK HYGIENIC PRACTICES: Provide safety shower and eyewash station in the work area.

COMMENTS: Exposure limits for Air Contaminants (OSHA)

Particulates not otherwise regulated: Total dust; TWA 15 mg/m³; Respirable fraction: TWA 5 mg/m³

Exposure Limits for Air Contaminants (ACGIH)

Particulates (insoluble or poorly soluble) - Respirable Particles: TWA 3 mg/m³; Inhalable Particles: TWA 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Solubility in Water	Specific Gravity
Trichloro-s-triazinetrione	1.28 g/100 mg @ 25 deg C	2.07

PHYSICAL STATE: Solid

ODOR: Chlorine.

APPEARANCE: White tablet.

pH: 2.8

VAPOR PRESSURE: 99

VAPOR DENSITY: 99

BOILING POINT: NA = Not Applicable

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FREEZING POINT: NA = Not Applicable**MELTING POINT:** (437°F) to (446°F)**FLASHPOINT AND METHOD:** Not Flammable**SOLUBILITY IN WATER:** 0.0026 to 0.22 at (77°F)**DENSITY:** 17.52 at (68°F)**SPECIFIC GRAVITY:** 2.070**(VOC):** 99.000**COMMENTS:** Acute Effects: Corrosive to eyes and irritating to skin. Irritating to nose and throat.

10. STABILITY AND REACTIVITY

STABILITY: Stable.**POLYMERIZATION:** Product will not undergo polymerization.**CONDITIONS TO AVOID:** Avoid heat, open flames and other sources of ignition. Protect against humidity. Exothermic reactions are possible in the even of contact with incompatible substances.**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen, Hydrogen chloride (HCl), Nitrogen Trichloride, Chlorine, Isocyanic Acid**INCOMPATIBLE MATERIALS:** Avoid contact with organic materials, combustible materials, ammonia, ammonium compounds, alcalis, oxidizing agents, reducing agents, acids.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 2000 mg/kg (rat)**Notes:** IUCLID**ORAL LD₅₀:** 460 mg/kg (rat)**Notes:** IUCLID

CARCINOGENICITY

IARC: Not Applicable**NTP:** Not Applicable**OSHA:** Not Applicable

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 0.3 mg/L (Lepomis macrochirus)**48-HOUR EC₅₀:** 1.5 TLM ppm Oryzlas Latipes**Notes:** Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not discharge product into aquatic environment, drains, or sewage treatment plants.

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Trichloroisocyanuric Acid Dry

PRIMARY HAZARD CLASS/DIVISION: 5.1

UN/NA NUMBER: UN 2468

PACKING GROUP: II

NAERG: 140

LABEL: 5.1 Oxidizer

SPECIAL SHIPPING NOTES: DOT Special Provisions: IB8, IP4, T3, TP33

Packaging Exceptions: 152

Nonbulk: 212

Bulk: 240

15. REGULATORY INFORMATION

UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed.

CERCLA RQ: Not listed.

REPORTABLE SPILL QUANTITY: N/A (for chlorine RQ=10)

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Trichloro-s-triazinetrione	87-90-1

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

REGULATIONS

STATE REGULATIONS: The ingredient for CAS #87-90-1 is listed on the following state lists:

New Jersey Worker and Community Right to Know Act

Pennsylvania Hazardous Substance List

CALIFORNIA PROPOSITION 65: Not Applicable

CARCINOGEN: Not Applicable

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This is an EPA-registered product.

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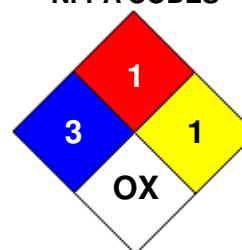
MSDS No: Blue Wave Sticks

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16. OTHER INFORMATION

REVISION SUMMARY: New MSDS**HMIS RATING**

HEALTH:	<input type="checkbox"/>	3
FLAMMABILITY:	<input type="checkbox"/>	1
PHYSICAL HAZARD:	<input type="checkbox"/>	1
PERSONAL PROTECTION:	<input type="checkbox"/>	F

NFPA CODES

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