

MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2008
MSDS No: Blue Wave pH Plus for Spas
Date Revised: 08/20/2008
Revision No: 1

Blue Wave pH Plus for Spas

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blue Wave pH Plus for Spas
GENERAL USE: pH Increaser

DISTRIBUTOR

Blue Wave Products
1745 Wallace Ave # B
St Charles, IL 60174
Product Stewardship: (800) 579-0977

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Irritating to the eyes. Continuous contact may irritate skin.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.

SKIN: Continuous contact causes skin irritation (red, dry, cracked skin).

INGESTION: May be harmful if swallowed.

INHALATION: Excessive levels of dust may irritate the mucous membranes and upper respiratory tract.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Sodium Carbonate	100	497-19-8	207-838-8

4. FIRST AID MEASURES

EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: DO NOT INDUCE VOMITING. Rinse mouth with plenty of water. Slowly give 1 to 2 glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, get medical attention.

5. FIRE FIGHTING MEASURES

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FLASHPOINT AND METHOD: Not combustible.

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Water, fog, carbon dioxide, dry chemical.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Emits fumes of sodium oxide.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Sweep up and recycle into process, if possible. Use appropriate equipment if dust is generated or contact with eyes is expected. Flush residues and liquid to holding area for neutralization before discharge.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of reach of children. Do not store with acids. Keep containers tightly closed. Store material in a cool and dry place.

HANDLING: Do not breathe dust. Avoid contact with skin and eyes.

STORAGE: Store in a cool dry place. Keep away from acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Sodium Carbonate	TWA	[1]	[1]	NL	NL
	STEL			NL	NL
Footnotes: 1. NL = Not Listed					

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear splash goggles.

SKIN: Impervious gloves.

RESPIRATORY: In dusty atmospheres use a NIOSH-approved dust respirator.

PROTECTIVE CLOTHING: Chemical resistant apron and arm-protector. If clothing becomes contaminated, remove and launder before reuse.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
APPEARANCE: White granular.
pH: 11.4 1% solution.
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A.
BOILING POINT: Decomposes
FREEZING POINT: 851 °C (1564 °F)
FLASHPOINT AND METHOD: Not combustible.
SOLUBILITY IN WATER: 33.2% maximum
SPECIFIC GRAVITY: 2.509

10. STABILITY AND REACTIVITY

STABILITY: Stable.
POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with acids except under controlled conditions.
INCOMPATIBLE MATERIALS: Aluminum powder, acids, fluorine, molten lithium.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Severely irritating (rabbit).
SKIN EFFECTS: Non-irritant to intact skin. Minor irritant may occur to abraded skin.
CHRONIC: May cause severe irritations of the eyes including the corneal opacities.
CARCINOGENICITY
Notes: None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as carcinogen.
SENSITIZATION: Non-sensitizer.
TARGET ORGANS: Eyes.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)
96-HOUR LC₅₀: > 300 mg/L (Bluegill Sunfish)

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR370): 10000 lbs.

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Carbonate	497-19-8

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

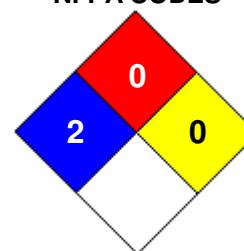
16. OTHER INFORMATION

REVISION SUMMARY: Revision #: 1 This MSDS replaces the July 01, 2008 MSDS. Any changes in information are as follows:

HMIS RATING

HEALTH:	<input type="checkbox"/>	2
FLAMMABILITY:	<input type="checkbox"/>	0
PHYSICAL HAZARD:	<input type="checkbox"/>	0
PERSONAL PROTECTION:	<input type="checkbox"/>	

NFPA CODES



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