MATERIAL SAFETY DATA SHEET

Date Issued: 08/01/2008
MSDS No: Blue Wave Super MPC
Date Revised: 08/20/2008
Revision No: 1

Blue Wave Super MPC

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blue Wave Super MPC
GENERAL USE: Spa Cleaner

DISTRIBUTOR

Blue Wave Products
1745 Wallace Ave # B
St Charles IL 60174

Product Stewardship: (800) 759-0977

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Causes eye burns and tissue damage.

SKIN: May cause skin damage.

INGESTION: If ingested, get immediate medical attention.

INHALATION: Causes respiratory tract irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Phosphonic Acid, (1-hydroxyethylidene)bis-, Disodium Salt	> 0.01	007414-83-7	231-025-7
2- Butoxyethanol	> 0.01	000111-76-2	- -

4. FIRST AID MEASURES

EYES: Holding eyelids apart, flush with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN: Immediately flush affected area with plenty of water for at least 15 minutes. If irritation occurs (redness, rash, blistering) seek immediate medical attention.

INGESTION: Drink plenty of water. Contact a physician or poison control center immediately.

INHALATION: Remove victim to fresh air. If breathing is difficult, administer oxygen. Call a physician.

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5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (150°F)

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Use water spray, dry chemical, foam, or carbon dioxide.

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

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Clean up spill immediately. Contain and/or absorb spill with inert material (e.g., sand or vermiculite). Flush spill area with water. use appropriate containers to avoid environmental contamination.

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children.

STORAGE: Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		**ppm**	**mg/m³**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
2- Butoxyethanol	**TWA**	50 ppm [1]	240 mg/m3 [1]	20 ppm [2]	97 mg/m3 [2]	NL ppm	NL ppm
	STEL	ppm	mg/m3	ppm	mg/m3	NL mg/m3	NL mg/m3

Footnotes:
1. NL = Not Listed
2. S = Skin

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields or goggles.

MATERIAL SAFETY DATA SHEET

SKIN: Chemical-resistant gloves.

RESPIRATORY: None normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Detergent.

APPEARANCE: Blue liquid.

pH: 1.41

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A.

BOILING POINT: (212°F)

FLASHPOINT AND METHOD: (150°F)

SOLUBILITY IN WATER: Soluble in water.

EVAPORATION RATE: N/A.

SPECIFIC GRAVITY: 1.030

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid contact with strong acids and alkalis.

INCOMPATIBLE MATERIALS: Strong acids and alkalis.

11. TOXICOLOGICAL INFORMATION

ACUTE
NOTES:

Phosphonic Acid (neat product): Corrosive; causes eye burns and permanent damage. Mist may be severely irritating to nose, throat and lungs depending upon concentration and duration of exposure.

Glycol Ether (neat product): Per-Oral LD50 470-3000 mg/kg (rat)
Percutaneous LD50 220 mg/kg (rabbit)
Percutaneous LD50 >2000 mg/kg (guinea pig)

MATERIAL SAFETY DATA SHEET

Inhalation (Vapor) LC50 700 ppm 7 hr. (rat)
Irritation Eye 0.005 ml (rabbit) Results: severe corneal injury, iritis.

12. ECOLOGICAL INFORMATION

COMMENTS: None available.

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: Corrosive Liquid, acidic, organic N.O.S. (1-hydroxyethlidene-1, 1-diphosphonic acid)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 3265

PACKING GROUP: III

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 1 gallons.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Subject to the reporting requirements of Section 313.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Phosphonic Acid, (1-hydroxyethylidene)bis-, Disodium Salt	007414-83-7
2- Butoxyethanol	000111-76-2

16. OTHER INFORMATION

MATERIAL SAFETY DATA SHEET

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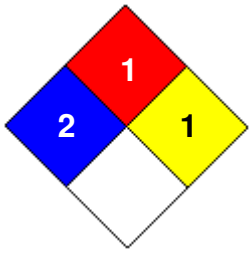
REVISION SUMMARY: Revision #: 1 This MSDS replaces the August 01, 2008 MSDS. Any changes in information are as follows:

HMIS RATING

HEALTH:	2
FLAMMABILITY:	1
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

NFPA CODES



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