

# MATERIAL SAFETY DATA SHEET

Date Issued: 12/20/2011  
MSDS No: BW Super Phosphate Remover

## Blue Wave Super Phosphate Remover

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Blue Wave Super Phosphate Remover  
**GENERAL USE:** Swimming pool phosphate remover.

#### DISTRIBUTOR

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

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Possible mild and temporary irritation.

**SKIN:** Possible mild irritant.

**INGESTION:** With substantial and/or long term ingestion, possible delayed blood clotting, sensitivity to heat, skin itching, increased odor and taste awareness, and liver damage.

**INHALATION:** None expected.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** None Expected.

**CARCINOGENICITY:** Not listed by NTP, IARC or OSHA.

**MEDICAL CONDITIONS AGGRAVATED:** None known.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name                                   |
|---|
| Proprietary rare earth and compatible compounds |

**COMMENTS:** Considered to be environmentally safe, nontoxic and nonhazardous.

### 4. FIRST AID MEASURES

**EYES:** Flush thoroughly with water for 5 minutes and obtain medical attention if irritation occurs.

**SKIN:** Wash contacted areas with soap and water. Apply emollient skin cream to minimize dryness and seek medical attention if irritation persists.

**INGESTION:** Drink several glasses of water. Obtain medical attention.

**INHALATION:** Remove to fresh air. If victim is not breathing, give artificial respiration and obtain medical attention.

**NOTES TO PHYSICIAN:** Under normal use and human exposure conditions, this product is considered nontoxic and nonhazardous.

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### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** None

**FLAMMABLE CLASS:** Nonflammable

**EXPLOSION HAZARDS:** None.

**FIRE FIGHTING PROCEDURES:** Do not release runoff from fire control methods to sewers or waterways.

**FIRE FIGHTING EQUIPMENT:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

**FIRE EXPLOSION:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal oxidative decomposition of this product may release toxic fumes of hydrogen chloride and metal oxide.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** For all spills, pick up mechanically and place in suitable container for disposal. Do not release into sewers or waterways. After product recovery and removal, flush spill area with water to a sanitary sewer.

### 7. HANDLING AND STORAGE

**STORAGE:** Do not store with oxidizing materials. Keep containers sealed.

**COMMENTS:** Wear appropriate eye and glove protection to minimize personal exposure.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust is preferred to minimize airborne concentrations.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear protective eyeglasses or chemical safety goggles.

**SKIN:** Wear chemically protective gloves to prevent prolonged or repeated skin contact.

**RESPIRATORY:** If necessary, wear a MSH/NIOSH approved respirator.

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

**OTHER USE PRECAUTIONS:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from shoes.

**COMMENTS:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using toilet, or applying cosmetics. Keep away from children.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** No discernible odor.

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**APPEARANCE:** Clear, colorless liquid.

**pH:** 3.5 to 4.0

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** > 1

**BOILING POINT:** ~ (230 °F)

**FREEZING POINT:** ~ (20 °F)

**FLASHPOINT AND METHOD:** None

**SOLUBILITY IN WATER:** Complete.

**EVAPORATION RATE:** N/A.

**DENSITY:** 12.25 lbs. per gal

**SPECIFIC GRAVITY:** 1.470 at 4 °C

**VISCOSITY #1:** ~ 20 CPS

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable at room temperature in closed containers under normal storage and handling conditions.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Do not use this product with stainless steel storage containers or equipment. Chloride corrosion will occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal oxidative decomposition of this product can produce fumes of hydrogen chloride and lanthanum oxide.

**INCOMPATIBLE MATERIALS:** Do not store with oxidizers or acidic agents.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**ORAL LD<sub>50</sub>:** 4200 kg (rat)

**EYE EFFECTS:** Irritating to eyes.

**SKIN EFFECTS:** Irritating effect.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Environmental Transport: Water or soil.

## 13. DISPOSAL CONSIDERATIONS

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

**GENERAL COMMENTS:** Thoroughly clean empty containers with water and recycle. Do not use empty containers for food or storage.

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### 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)**

**311/312 HAZARD CATEGORIES:** Not listed.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Not listed.

**RCRA STATUS:** None

### 16. OTHER INFORMATION

**HMIS RATING**

|                            |                          |          |
|----------------------------|--------------------------|----------|
| <b>HEALTH</b>              | <input type="checkbox"/> | <b>1</b> |
| <b>FLAMMABILITY</b>        | <input type="checkbox"/> | <b>0</b> |
| <b>PHYSICAL HAZARD</b>     | <input type="checkbox"/> | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <input type="checkbox"/> |          |

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