

# MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2008

MSDS No: Blue Wave Hardness Increaser

Date Revised: 08/19/2008

Revision No: 1

## Blue Wave Hardness Increaser

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Blue Wave Hardness Increaser**GENERAL USE:** Calcium Increaser

#### DISTRIBUTOR

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

**Product Stewardship:** (800) 759-0977

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Avoid breathing dusts. Causes eye irritation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly after handling. Reacts with water to liberate heat.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May irritate or burn eyes.**SKIN:** May cause skin irritation.**INGESTION:** May cause nausea.**INHALATION:** Dusts may cause irritation to mucous membranes and respiratory system.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Calcium Chloride	100	010043-52-4	233-140-8

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if any adverse effect occurs.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes.

# MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2008

MSDS No: Blue Wave Hardness Increaser

Date Revised: 08/19/2008

Revision No: 1

## Blue Wave Hardness Increaser

**INGESTION:** Get medical attention.

**INHALATION:** Remove to fresh air.

**NOTES TO PHYSICIAN:** Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam.

**HAZARDOUS COMBUSTION PRODUCTS:** N/A

**EXPLOSION HAZARDS:** Negligible hazard when exposed to heat or flame.

**FIRE FIGHTING PROCEDURES:** Move containers from fire area if you can without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Extinguish fire using agent suitable for type of surrounding fire and/or chemicals. Do not use water directly on material. Avoid breathing corrosive vapors; keep upwind. Dike area to prevent runoff and contamination of water sources.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** For dry spills, place material in covered, clean, dry container for disposal.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate protective equipment and clothing during clean-up.

### 7. HANDLING AND STORAGE

**HANDLING:** Avoid skin and eye contact and breathing dusts. Wash thoroughly after handling. Launder contaminated clothing before re-use.

**STORAGE:** Observe all federal, state, and local regulations when storing this product. Store in a covered, clean and dry container away from incompatible materials.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2008

MSDS No: Blue Wave Hardness Increaser

Date Revised: 08/19/2008

Revision No: 1

## Blue Wave Hardness Increaser

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
			EXPOSURE LIMITS	
			Supplier OEL	
Chemical Name			ppm	mg/m <sup>3</sup>
Calcium Chloride	TWA	10 mg/		

**ENGINEERING CONTROLS:** Local exhaust.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) and a face shield if splashing is possible.

**SKIN:** Wear non-leather gloves and boots.

**RESPIRATORY:** A respirator is not indicated under normal operating conditions. Use of a NIOSH approved respirator should be based upon the presence of nuisance dust. When warranted, use a face mask particulate respirator with a NIOSH N95 rating or equivalent.

**PROTECTIVE CLOTHING:** Impervious clothing to prevent skin contact. Leather work boots and/or leather products will dehydrate with resultant shrinkage and possible destruction.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** None.

**APPEARANCE:** White pellet flakes.

**pH:** Not Available

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**MELTING POINT:** 187°C (369°F) to 773°C (1424°F)

**FLASHPOINT AND METHOD:** Not Applicable

**SOLUBILITY IN WATER:** 40% @ 68 deg F (20 deg C) with evolution of heat

**SPECIFIC GRAVITY:** 2.150

## 10. STABILITY AND REACTIVITY

**STABILITY:** Reacts exothermically with water.

# MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2008

MSDS No: Blue Wave Hardness Increaser

Date Revised: 08/19/2008

Revision No: 1

## Blue Wave Hardness Increaser

**CONDITIONS TO AVOID:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**ORAL LD<sub>50</sub>:** 1000 mg/kg (rat)

**INHALATION LC<sub>50</sub>:**

**Notes:** Eye, mucous membrane and skin irritant  
Moderately toxic by dermal absorption.

**NOTES:** LD50 264 mg/kg, intraperitoneal (rat)

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** Product will not biodegrade or accumulate.

### 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:** Not Regulated.

### 15. REGULATORY INFORMATION

#### UNITED STATES

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

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

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

**CERCLA RQ:** No.

# MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2008

MSDS No: Blue Wave Hardness Increaser

Date Revised: 08/19/2008

Revision No: 1

## Blue Wave Hardness Increaser

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Calcium Chloride	010043-52-4

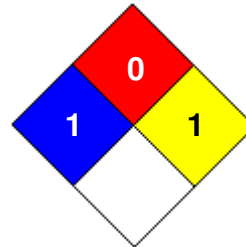
**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

**CALIFORNIA PROPOSITION 65:** There are no chemicals present known to the State of California to cause cancer.

## 16. OTHER INFORMATION

**REVISION SUMMARY:** Revision #: 1 This MSDS replaces the June 26, 2008 MSDS. Any changes in information are as follows:

### NFPA CODES



**MANUFACTURER DISCLAIMER:** Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).