



MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE HARDNESS INCREASER

PRODUCT DESCRIPTION:
DATE PREPARED: 4/25/05

MANUFACTURER NAME: SUNCOAST CHEMICALS COMPANY
MANUFACTURER ADDRESS: 14480 62ND ST. NORTH
CLEARWATER, FL 33760
MANUFACTURER PHONE: (727) 531-8913

SUPPLIER NAME AND ADDRESS: SUNCOAST CHEMICALS COMPANY
14480 62ND STREET NORTH
CLEARWATER, FL 33760
SUPPLIER PHONE: (727) 531-8913

EMERGENCY PHONE - 24 HOURS: CALL CHEM-TEL, INC. (800) 255-3924

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	WT. %	OSHA PEL	ACGIH TLV	CAS REGISTRY#
CALCIUM CHLORIDE	77-82%	N/A	N/A	010043-52-4
SODIUM CHLORIDE	1-2%	N/A	N/A	007647-14-5
POTASSIUM CHLORIDE	2-3%	N/A	N/A	007447-40-7
WATER				007732-18-5

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

INHALATION: VAPORS ARE UNLIKELY. DUST MAY CAUSE IRRITATION.

EYE CONTACT: MAY CAUSE MODERATE TO SEVERE IRRITATION WITH CORNEAL INJURY AS WELL AS THERMAL BURNS.

SKIN CONTACT: SINGLE EXPOSURE WILL NOT CAUSE SIGNIFICANT SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION, EVEN A BURN. MAY CAUSE MORE SEVERE RESPONSE IF SKIN IS DAMP AND/OR ABRADED, OR IF MATERIAL IS CONFINED TO SKIN.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION.

CHRONIC: N/A

HAZARD CODE: HEALTH: FLAMMABILITY: REACTIVITY:

SECTION 4 FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

EYE CONTACT: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. CONSULT MEDICAL PERSONNEL

SKIN CONTACT: WASH OFF IN FLOWING WATER OR SHOWER.

INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. CALL A PHYSICIAN. (NEVER GIVE ANYTHING BY MOUTH OR ATTEMPT TO INDUCE VOMITING IN AN UNCONSCIOUS PERSON.)

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: NOT APPLICABLE

GENERAL HAZARD: NON COMBUSTIBLE

FIRE FIGHTING INSTRUCTIONS: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

FIRE FIGHTING EQUIPMENT: NONE

HAZARDOUS COMBUSTION PRODUCTS: NONE

SECTION 6 ACCIDENTAL RELEASE MEASURES

WEAR APPROPRIATE SAFETY APPAREL DURING CLEANUP. AVOID ENTRY OF LARGE AMOUNT OF PRODUCT INTO SEWERS, NATURAL WATERS, AND DRINKING WATER SOURCES. DUE TO POSSIBLE HARMFUL EFFECTS, AVOID CONTACT WITH VEGETATION, ANIMALS, AND FISH LIFE. RECOVER QUICKLY INTO SUITABLE, DRY, SEALABLE CONTAINERS IF REUSING. SMALL QUANTITIES MAY BE FLUSHED AWAY WITH PLENTY OF WATER. WALKING SURFACES MAY REMAIN WET LONGER DUE TO MOISTURE BEING HELD BY SPILLED PRODUCT-- AVOID BY THOROUGHLY WATER WASHING.

SECTION 7 HANDLING AND STORAGE

AVOID EYE AND PROLONGED SKIN CONTACT. ALWAYS USE COOL WATER (TEMPERATURE LESS THAN 80°F, 27°C) WHEN DISSOLVING CALCIUM CHLORIDE. HEAT DEVELOPED BY SOLUTIONS IS VERY HIGH DURING DISSOLVING AND MIXING. WHEN EXPOSED TO THE ATMOSPHERE, CALCIUM CHLORIDE WILL PICK UP WATER AND FORM A SOLUTION. LEATHER CLOTHING AND SHOES WILL BE DAMAGED BY CALCIUM CHLORIDE.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS

VENTILATION: PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.

PERSONAL PROTECTION

RESPIRATOR: ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDELINE. WHEN RESPIRATORY PROTECTION IS REQUIRED FOR CERTAIN OPERATIONS, USE AN APPROVED AIR-PURIFYING RESPIRATOR. IN DUSTY ATMOSPHERES, USE AN APPROVED DUST RESPIRATOR.

PROTECTIVE CLOTHING: CLEAN BODY-COVERING CLOTHING, GLOVES, BOOTS, APRON, SAFETY GLASSES, CHEMICAL GOGGLES, EYE WASH FOUNTAIN

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	1.0 mmH @ 20° C	VAPOR DENSITY:	N/A
SPECIFIC GRAVITY:	N/A	PHYSICAL STATE:	POWDER
SOLUBILITY IN WATER:	SOLUBLE	EVAPORATION RATE:	N/A
pH:	N/A	BOILING POINT:	347°F, 174°C
FREEZING POINT:	N/A	VISCOSITY:	N/A
ODOR:	NONE	APPEARANCE:	WHITE TO OFF-WHITE POWDER

SECTION 10 STABILITY AND REACTIVITY

GENERAL: DECOMPOSES AT 349°F

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: CALCIUM CHLORIDE WILL: CORRODE MOST METALS EXPOSED TO AIR; ATTACK ALUMINUM (AND ITS ALLOYS) AND YELLOW BRASS; SULFURIC ACID, WATER-REACTIVE MATERIALS

HAZARDOUS DECOMPOSITION: NOT APPLICABLE

SECTION 11 TOXICOLOGICAL INFORMATION

NONE

SECTION 12 ECOLOGICAL INFORMATION

NONE

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 14 TRANSPORT INFORMATION

DOT (Department Of Transportation)

PROPER SHIPPING NAME: N/A

UN/NA NUMBER: N/A

HAZARD CLASS: N/A

PACKING GROUP: N/A

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SECTION 15 REGULATORY INFORMATION

NONE

SECTION 16 OTHER INFORMATION

NONE