



## MATERIAL SAFETY DATA SHEET

### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE pH REDUCER  
PRODUCT NUMBER (S)  
PRODUCT DESCRIPTION: pH ADJUSTER  
DATE PREPARED: 4/25/2005

MANUFACTURER NAME: SUNCOAST CHEMICALS COMPANY  
MANUFACTURER ADDRESS: 14480 62<sup>ND</sup> STREET 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 #
SPECIALY PROCESSED SODIUM ACID SULFATE	91.5 - 94.7	NONE EST.		7681-38-1
SODIUM BISULFATE	4.8 – 8.0	NONE EST.		7757-82-6
MOISTURE	0.1 – 0.8	NONE EST.		7732-18-5

THIS MATERIAL IS CLASSIFIED AS AN IRRITANT UNDER CURRENT OSHA REGULATIONS.

### SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: OFF-WHITE GRANULAR MATERIAL, WITH THE CONSISTENCY OF SALT. PRESENTS LITTLE OR NO HAZARD IF SPILLED.

#### POTENTIAL HEALTH EFFECTS:

INHALATION: INHALATION OF DUST MAY IRRITATE OR BURN NOSE, THROAT AND LUNGS.

EYE CONTACT: CAUSES MILD TO SEVERE IRRITATION. MAY CAUSE BURN IF NOT FLUSHED WITH WATER.

SKIN CONTACT: PROLONGED EXPOSURE MAY CAUSE MODERATE IRRITATION. MAY

CAUSE BURN IF NOT FLUSHED WITH WATER.

INGESTION: SMALL AMOUNTS (TABLESPOONFUL) SWALLOWED ARE NOT LIKELY TO CAUSE INJURY; HOWEVER SWALLOWING LARGE AMOUNTS MAY IRRITATE OR BURN DIGESTIVE TRACT.

CHRONIC: NONE. NOT LISTED AS CARCINOGEN BY IARC, NTP, OR OSHA.

HMIS HAZARD CODE: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1

#### **SECTION 4 FIRST AID MEASURES**

INHALATION: REMOVE TO FRESH AIR. IF IRRITATION OR DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, LIFTING EYELIDS TO THOROUGHLY FLUSH. IF REDNESS OR IRRITATION PERSISTS, GET PROMPT MEDICAL ATTENTION.

SKIN CONTACT: IMMEDIATELY FLUSH AFFECTED ARE WITH WATER FOR AT LEAST 15 MINUTES. IF BURN OCCURS, SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION: IF LARGE AMOUNTS ARE INGESTED (GREATER THAN TABLESPOONFUL), DRINK PLENTY OF MILK OR WATER. FOLLOW WITH MILK OF MAGNESIA, BEATEN EGGS OR VEGETABLE OIL. DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY.

#### **SECTION 5 FIRE FIGHTING MEASURES**

FLASHPOINT AND METHOD: NOT FLAMMABLE.

GENERAL HAZARD: DISSOLVES IN WATER TO FORM WEAK SULFURIC ACID SOLUTION. IF USING WATER, WEAR ACID PROTECTIVE EQUIPMENT.

FIRE FIGHTING INSTRUCTIONS: PRECAUTIONS FOR ACID EXPOSURE SHOULD BE TAKEN. NO GASES OR TOXIC FUMES ARE EMITTED FROM THIS REACTION. HOWEVER, IF ELEVATED TEMPERATURES (>806 F) ARE REACHED, SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN.

FIRE FIGHTING EQUIPMENT: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE. BECAUSE MATERIAL WILL READILY DISSOLVE IN WATER TO FORM A WEAK ACID SOLUTION, AVOID WATER CONTACT WITH MATERIAL, IF POSSIBLE.

HAZARDOUS COMBUSTION PRODUCTS: OVER 806 F (430 C) FUMES OF SULFUR DIOXIDE AND SULFUR TRIOXIDE ARE EVOLVED. REQUIRES A GAS MASK.

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

LAND SPILL: SWEEP UP WITH SHOVEL OR OTHER TOOL AND PLACE IN DISPOSAL CONTAINER. AVOID EXCESSIVE DUST GENERATION. DILUTE RESIDUAL MATERIAL WITH AMPLE SUPPLY OF WATER AND DIRECT TO SANITARY SEWER IF FEDERAL STATE OR LOCAL REGULATIONS PERMIT.

WATER SPILL: READILY DISSOLVES IN WATER TO FORM A WEAK ACID SOLUTION. IF WATER IS ISOLATED OR CAN BE CONTAINED, NEUTRALIZE WITH WEAK ALKALINE SOLUTION.

NOTIFY APPROPRIATE AUTHORITIES IF REQUIRED BY REGULATIONS.

## **SECTION 7 HANDLING AND STORAGE**

HANDLING: INHALATION OF DUST OR EXPOSURE TO SKIN CAN CAUSE IRRITATION. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN.

STORAGE: MATERIAL IS HYGROSCOPIC AND WILL READILY ABSORB MOISTURE. KEEP CONTAINERS TIGHTLY CLOSED. DO NOT STORE WHERE EXPOSED TO MOIST CONDITIONS. DO NOT STORE NEAR STRONG ALKALIS.

## **SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### ENGINEERING CONTROLS

VENTILATION: LOCAL EXHAUST

### PERSONAL PROTECTION

RESPIRATOR: DUST MASK

PROTECTIVE CLOTHING: RUBBER/PLASTIC GLOVES, SAFETY GOGGLES OR FACE SHIELD, EYE WASH, SAFETY SHOWER

## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

VAPOR PRESSURE: N/A  
VAPOR DENSITY: N/A  
SPECIFIC GRAVITY: N/A  
PHYSICAL STATE: DRY CRYSTALLINE SOLID  
SOLUBILITY IN WATER: COMPLETE  
EVAPORATION RATE: N/A  
pH: N/A  
BOILING POINT: N/A  
FREEZING POINT: 35 F (177 C)  
BULK DENSITY 80 – 85 POUNDS (LOOSE)  
VISCOSITY: N/A  
ODOR: FRESH TO PUNGENT  
APPEARANCE: OFF-WHITE GRANULAR

## **SECTION 10 STABILITY AND REACTIVITY**

GENERAL: STABLE

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: STRONG ALKALINE MATERIALS, MOISTURE CAUSES PRODUCT TO DISSOLVE AND FORM WEAK ACID SOLUTION. DO NOT MIX WITH LIQUID CHLORINE BLEACH, AMMONIA CLEANSERS OR SIMILAR PRODUCTS.

HAZARDOUS DECOMPOSITION: ONLY IF HEATED OVER 806 F (430 C) AT WHICH SULFUR DIOXIDE AND SULFUR TRIOXIDE ARE FORMED.

## **SECTION 11 TOXICOLOGICAL INFORMATION**

NONE

## **SECTION 12 ECOLOGICAL INFORMATION**

THIS PRODUCT READILY DISSOLVES IN WATER TO FORM A WEAK ACID SOLUTION. A 0.05% OR GREATER (BY WEIGHT) SOLUTION OF THIS PRODUCT WILL LIKELY BE ACUTELY HARMFUL TO FISH AND OTHER WATER ORGANISMS.

## **SECTION 13 DISPOSAL CONSIDERATIONS**

DISPOSE OF IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS. THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE BY RCRA.

## **SECTION 14 TRANSPORT INFORMATION**

DOT (Department Of Transportation)

PROPER SHIPPING NAME:	NOT REGULATED
UN/NA NUMBER:	N/A
HAZARD CLASS:	N/A
PACKING GROUP:	N/A

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

## **SECTION 15 REGULATORY INFORMATION**

OSHA: IRRITANT

SARA TITLE III: HAZARD CLASS - ACUTE

## **SECTION 16 OTHER INFORMATION**

NONE