



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE SUPER MPC

DATE PREPARED: 4/25/05

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 #
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BASED ON BEST AVAILABLE INFORMATION, THIS PRODUCT DOES NOT CONTAIN ANY REPORTABLE OSHA HAZARDOUS MATERIALS.

### SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CORROSIVE TO EYES. IRRITATING TO THE SKIN AND RESPIRATORY SYSTEM.

#### POTENTIAL HEALTH EFFECTS:

- INHALATION:** MAY BE HARMFUL IF INHALED. DO NOT BREATHE SPRAY MISTS OF THE UNDILUTED PRODUCT. EFFECTS WILL DEPEND UPON SOLUTION STRENGTH AND LENGTH OF TIME OF EXPOSURE.
- EYE CONTACT:** VERY HAZARDOUS IN CASE OF EYE CONTACT (IRRITANT, CORROSIVE). INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING.
- SKIN CONTACT:** HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT). NON-CORROSIVE FOR SKIN. NON-SENSITIZER FOR SKIN. SKIN CONTACT MAY PRODUCE BURNS. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY, BLISTERING.

INGESTION:           INGESTION IS NOT EXPECTED TO BE A PRIMARY ROUTE OF EXPOSURE.

HMIS HAZARD CODE: HEALTH: 2   FLAMMABILITY: 1   REACTIVITY: 1  
NFPA HAZARD CODE: HEALTH: 2   FLAMMABILITY: 1   REACTIVITY: 1

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

INHALATION:           IF EXPOSURE BY INHALATION IS SUSPECTED, IMMEDIATELY MOVE EXPOSED INDIVIDUAL TO FRESH AIR. IF INDIVIDUAL EXPERIENCES NAUSEA, HEADACHE, DIZZINESS, HAS DIFFICULTY IN BREATHING OR IS CYANOTIC, SEEK A HEALTH CARE PROFESSIONAL IMMEDIATELY.

EYE CONTACT:         FLUSH IMMEDIATELY WITH COPIOUS AMOUNTS OF TAP WATER OR NORMAL SALINE FOR A MINIMUM OF 15 MINUTES. TAKE EXPOSED INDIVIDUAL TO A HEALTH CARE PROFESSIONAL. PREFERABLY AN OPHTHALMOLOGIST, FOR FURTHER EVALUATION.

SKIN CONTACT:        WASH EXPOSED ARE WITH PLENTY OF WATER. REPEAT WASHING. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. IFF IRRITATION PERSISTS CONSULT A HEALTH CARE PROFESSIONAL.

INGESTION:   DO NOT INDUCE VOMITING. RINSE WITH COPIEOUS AMOUNTS OF WATER OR MILK, FIRST. IRRIGATE THE ESOPHAGUS AND DILUTE STOMACH CONTENTS BY SLOWLY GIVING ONE TO TWO GLASSES OF WATER OR MILK. AVOID GIVING ALCOHOL OR ALCOHOL RELATED PRODUCTS. IN CASES WHERE THE INDIVIDUAL IS SEMI-COMATOSE, COMATOSE OR CONVULSING, DO NOT GIVE FLUIDS BY MOUTH. IN CASE OF INTENTIONAL INGESTION OF THE PRODUCT SEEK MEDICAL ASSISTANCE IMMEDIATELY; TAKE INDIVIDUAL TO NEAREST MEDICAL FACILITY.

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

FLASH POINT:           CLOSED CUP: >100 C (212 F)

FLAMMABLE LIMITS:   NOT AVAILABLE

EXTINGUISHING MEDIA:  
                          WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:  
                          FIREFIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL TURN-OUT GEAR.

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

SPILL AND LEAK PROCEDURES:

EMERGENCY ACTION: INITIALLY MINIMIZE AREA AFFECTED BY SPILL OR LEAK. BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS (E.G., SEWERS, STREAMS, LAKES, ETC.) CLAY, SOIL, OR COMMERCIALY AVAILABLE ABSORBENTS MAY BE USED TO RECOVER ANY MATERIAL THAT CANNOT BE READILY RECOVERED AS PURE PRODUCTS. FLUSHING RESIDUAL MATERIAL TO AN INDUSTRIAL SEWER, IF PRESENT AT THE SITE MAY BE ACCEPTABLE IF AUTHORIZED APPROVAL IS OBTAINED. ENSURE THAT MATERIAL DOES NOT COME IN CONTACT WITH INCOMPATIBLE MATERIALS.

## **SECTION 7. HANDLING AND STORAGE**

HANDLING PROCEDURES:

AVOID BREATHING VAPORS OR SPRAY MISTS. PROVIDE DILUTION VENTILATION TO CONTROL VAPOR AND/OR MIST LEVEL. WHEN MISTING MAY OCCUR IN THE WORK AREA.

STORAGE PROCEDURES:

STORE IN A DRY KEEP THE CONTAINER TIGHTLY CLOSED AND DRY. KEEP OUT OF THE REACH OF CHILDREN.

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

ENGINEERING CONTROLS: USE LOCAL EXHAUST VENTILATION.

PERSONAL PROTECTIVE EQUIPMENT: EYES/FACE

SAFETY GLASSES OR GOGGLES; FACE SHIELD (IF SPLASHING IS POSSIBLE.)

PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY

WHEN MISTING MAY OCCUR IN THE WORK AREA, A NIOSH/MSHA APPROVED RESPIRATOR MAY BE REQUIRED. USE A RESPIRATOR APPROVED FOR THE MATERIAL AND LEVEL OF EXPOSURE.

PROTECTIVE CLOTHING:

RUBBER GLOVES, BODY PROTECTIVE CLOTHING AND SHOES

GENERAL:

EYE WASH FOUNTAIN AND EMERGENCY SHOWERS ARE RECOMMENDED.

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

FLASH POINT: CLOSED CUP: >100 C (212F)

DENSITY: 1/46 G/CM<sup>3</sup> AT 20 C (68 F)

SPECIFIC GRAVITY: N/A

MELTING/FREEZING POINT: N/A

BOILING POINT: >100C (212F)

VAPOR PRESSURE: 17 MM OF HG @ 20C

SOLUBILITY: PARTIALLY SOLUBLE IN COLD WATER. SOLUBLE IN HOT WATER.

VISCOSITY: DYNAMIC: 64cP

EVAPORATION RATE: N/A

pH: pH 1% SOLUTION = 2.0

ODOR: CHARACTERISTIC

APPEARANCE: CLEAR COLORLESS LIQUID

## **SECTION 10. STABILITY AND REACTIVITY**

GENERAL: STABLE UNDER NORMAL CONDITIONS.

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS, STRONG BASES.

HAZARDOUS DECOMPOSITION: OXIDES OF BOTH PHOSPHOROUS AND CARBON; ACIDS OF PHOSPHOROUS.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

ACUTE ORAL (LD50) = 2000 MG/KG RAT  
ACUTE DERMAL (LD50) = 10000 MG/KG RABBIT

## **SECTION 12. ECOLOGICAL INFORMATION**

NOT TOXIC TO AQUATIC ORGANISMS AND NOT SUSPECTED OF LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

LC50 = >368 MG/L 96 HOURS RAINBOW TROUT  
LC50 = 527 MG/L 48 HOURS DAPHNIA MAGNA

## **SECTION 13. DISPOSAL CONSIDERATIONS**

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

## **SECTION 14. TRANSPORT INFORMATION**

DOT (Department Of Transportation)

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC - 1-HYDROXYETHYLIDENE  
DIPHOSPHONIC ACID

UN/NA NUMBER: UN3265

HAZARD CLASS: III

PACKING GROUP: 8

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

## **SECTION 15. REGULATORY INFORMATION**

SARA SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT:

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE LIST – NO COMPONENT LISTED

SARA 312 HAZARD CATEGORY – IMMEDIATE (ACUTE) HEALTH HAZARD

SARA 313 TOXIC CHEMICALS LIST – NO COMPONENT OF THIS PRODUCT ARE PRESENT ABOVE THE “DE MINIMUS” LEVEL.

FIFRA – THIS PRODUCT IS NOT A REGISTERED PESTICIDE.

**SECTION 16. OTHER INFORMATION**

NONE

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