



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE SUPER FLOC

DATE PREPARED: 5/11/05

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 #
ALUMINUM CHLORIDE	<50	2 MG/M3	2 MG/M3	7446-70-0
WATER	BALANCE	N/A	N/A	7732-18-5

THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD.

### SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: AN ODORLESS, CLEAR WATER WHITE TO PALE YELLOW LIQUID. CAN CAUSE IRRITATION AND/OR BURNS, ESPECIALLY WITH PROLONGED CONTACT.

#### POTENTIAL HEALTH EFFECTS:

- INHALATION: INHALATION OF MIST MAY IRRITATE MUCOUS MEMBRANES, NOSE, THROAT AND LUNGS.
- EYE CONTACT: MAY CAUSE SEVERE IRRITATION AND/OR CORNEAL DAMAGE (BURNS).
- SKIN CONTACT: MAY CAUSE IRRITATION AND/OR BURNS, ESPECIALLY WITH PROLONGED CONTACT.
- INGESTION: MAY CAUSE SEVERE DAMAGE TO MOUTH, ESOPHAGUS AND STOMACH.

HMIS HAZARD CODE: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0  
NFPA HAZARD CODE: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

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

INHALATION: PROMPTLY REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

EYE CONTACT: IMMEDIATELY FLUSH WITH WATER, CONTINUING FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT: FLUSH WITH PLENTY OF WATER, REMOVING CONTAMINATED CLOTHING. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

INGESTION: IF CONSCIOUS, IMMEDIATELY GIVE LARGE QUANTITY OF WATER OR MILK. FOLLOW WITH MILK OF MAGNESIA OR WHITES OF EGGS, BEATEN IN WATER. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

ADVICE TO PHYSICIAN: TREAT SYMPTOMATICALLY.

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

FLASH POINT: NOT FLAMMABLE

FLAMMABLE LIMITS: NOT APPLICABLE

EXTINGUISHING MEDIA:  
USE WATER. WATER SPRAY WILL PROBABLY REDUCE FUMES AND ANY IRRITATING GASES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
HYDROCHLORIC ACID FUMES ARE GENERATED WHEN THIS PRODUCT IS HEATED.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:  
USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP CONTAINERS COOL. DO NOT SPLASH ANY SPILLED MATERIAL ONTO PERSONNEL.

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

SPILL AND LEAK PROCEDURES:  
DIKE AREA TO CONTAIN SPILL. NEUTRALIZE SPILLED MATERIAL WITH ALKALI SUCH AS SODA ASH. WHEN USING CARBONATES FOR NEUTRALIZATION, ADEQUATE PRECAUTIONS SHOULD BE TAKEN TO MINIMIZE HAZARDS FROM CARBON DIOXIDE GAS GENERATION. COLLECT LIQUID AND/OR RESIDUE AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.

EMERGENCY ACTION: N/A

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

### HANDLING PROCEDURES:

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT BREATHE PRODUCT MISTS. USE WITH ADEQUATE VENTILATION. HANDLE AS MATERIAL OF MODERATE ORAL TOXICITY. DO NOT SMOKE OR EAT WHILE HANDLING. USE GOOD HOUSEKEEPING AND PERSONAL HYGIENE. WASH THOROUGHLY AFTER HANDLING.

### STORAGE PROCEDURES:

STORE AT MODERATE TEMPERATURES IN A DRY, WELL-VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE AND FROM FREEZING. KEEP CONTAINERS TIGHTLY CLOSED.

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

ENGINEERING CONTROLS: USE LOCAL EXHAUST IF FUMING OR MISTY CONDITIONS PREVAIL. NATURAL VENTILATION IS NORMALLY ADEQUATE IN THE ABSENCE OF SUCH CONDITIONS.

### PERSONAL PROTECTIVE EQUIPMENT:

#### SKIN

WEAR IMPERVIOUS (E.G. RUBBER) GLOVES AND PROTECTIVE CLOTHING. PROMPTLY WASH ANY CONTAMINATED CLOTHING. PROMPTLY REMOVE ANY NON-IMPERVIOUS ITEMS THAT BECOME CONTAMINATED.

#### EYES/FACE

UNDER NORMAL CONDITIONS WEAR SAFETY GLASSES. IF THERE IS REASONABLE PROBABILITY OF LIQUID CONTACT WITH THE EYES, WEAR CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD. DO NOT WEAR CONTACT LENSES.

### PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY

GENERALLY NONE REQUIRED. IF MISTING CONDITIONS PREVAIL, WEAR A NIOSH APPROVED ACID MIST RESPIRATOR.

ADDITIONAL RECOMMENDATIONS: EYE WASH STATIONS AND QUICK-DRENCH SHOWER FACILITIES IN OR NEAR AREAS OF USE OR HANDLING.

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

FLASH POINT:	NOT FLAMMABLE
DENSITY:	N/A
SPECIFIC GRAVITY:	1.28 @ 25C
MELTING/FREEZING POINT:	< -20
BOILING POINT:	APPROX 110c
VAPOR PRESSURE:	N/A
SOLUBILITY:	100.

VISCOSITY: DYNAMIC: 64cP  
EVAPORATION RATE: N/A  
pH: < 1  
MOLECULAR WEIGHT: 133.34  
EVAPORATION RATE: NOT DETERMINED  
VOLATILES: APPROX 70  
CHEMICAL FORMULA: AICI3 IN H2O  
PHYSICAL STATE: LIQUID  
ODOR: ODORLESS  
APPEARANCE: CLEAR, WATER WHITE TO PALE YELLOW LIQUID

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

GENERAL: STABLE UNDER NORMAL CONDITIONS. HIGH TEMPERATURES MAY CAUSE THE GENERATION OF HYDROGEN CHLORIDE GAS.

INCOMPATIBLE MATERIALS: ALKALIS AND WATER REACTIVE MATERIALS WHICH HAVE EXOTHERMIC REACTIONS.

HAZARDOUS DECOMPOSITION: HYDROGEN CHLORIDE GAS IS FORMED AT ELEVATED TEMPERATURES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

ALUMINUM CHLORIDE  
(ORAL-RAT) (LD50) = 3450 MG/KG  
(ORAL-MOUSE) (LD50) = 1130 MG/KG  
(RABBIT-SKIN) (LD50) = >2 G/KG

## **SECTION 12. ECOLOGICAL INFORMATION**

DATA NOT AVAILABLE.

## **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: Aluminum Chloride Solution - CORROSIVE LIQUID, ACIDIC, ORGANIC  
UN/NA NUMBER: UN2581  
HAZARD CLASS: 8  
PACKING GROUP: III

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

## **SECTION 15. REGULATORY INFORMATION**

SARA SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT:

SARA TITLE III – NO INGREDIENTS LISTED

SARA 313 TOXIC CHEMICALS LIST – NO INGREDIENTS LISTED IN THIS SECTION.

## **SECTION 16. OTHER INFORMATION**

NONE

**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).**