



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE FILTER CLEAN FOR SPAS  
DATE PREPARED: 4/25/2005

MANUFACTURER NAME: SUNCOAST CHEMICALS COMPANY  
MANUFACTURER ADDRESS: 14480 62ND 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 #
ETHANEDIOIC ACID	>1	NOT EST.	NOT EST.	144-62-7

### SECTION 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

#### POTENTIAL HEALTH EFFECTS:

INHALATION: MAY BE HARMFUL IF INHALED.

EYE CONTACT: CAUSES EYE DAMAGE.

SKIN CONTACT: HAZARDOUS IN CASE OF SKIN CONTACT (CORROSIVE, IRRITANT).

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

HMIS HAZARD CODE: N/A HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1  
NFPA HAZARD CODE: N/A HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

### SECTION 4. FIRST AID MEASURES

INHALATION: IF EXPOSURE BY INHALATION IS SUSPECTED, IMMEDIATELY MOVE INDIVIDUAL TO FRESH AIR. IF NAUSEA, HEADACHE, DIZZINESS OR

DIFFICULTY BREATHING IS PRESENT OR INDIVIDUAL IS CYANOTIC, SEEK A HEALTH CARE PROFESSIONAL IMMEDIATELY.

EYE CONTACT: IN CASE OF CONTACT, HOLD EYELIDS APART AND IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN (PREFERABLY AN OPHTHALMOLOGIST) OR A CONTROL CENTER IMMEDIATELY.

SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH WATER. REPEAT WASHING. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH THOROUGHLY BEFORE RESUSE..

INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS FULLY CONSCIOUS, IRRIGATE THE ESOPHOGUS AND DILUTE STOMACH CONTENTS BY SLOWLY GIVING 1-2 GLASSES OF WATER OR MILK TO DRINK. AVOID GIVING ALCOHOL OR ALCOHOL RELATED PRODUCTS. IN CASES WHERE VICTIM IS SEMI-COMATOSE, COMATOSE OR CONVULSING, DO NOT GIVE FLUIDS BY MOUTH. CALL A PHYSICIAN OR A POISON CONTROL CENTER IMMEDIATELY.

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

FLASH POINT: N/A

FIRE AND EXPLOSION HAZARDS: N/A

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

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:  
FIREFIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL TURNOUT GEAR.

HAZARDOUS COMBUSTION PRODUCTS: N/A

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

SPILL AND LEAK PROCEDURES:  
CLEAN UP SPILL IMMEDIATELY. CLAY, SOIL, OR COMMERCIALY AVAILABLE ABSORBENTS MAY BE USED TO RECOVER ANY MATERIAL THAT CANNOT READILY BE RECOVERED.

EMERGENCY ACTION: N/A

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

HANDLING PROCEDURES: KEEP OUT OF THE REACH OF CHILDREN. STORE MATERIAL IN A COOL, DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED. USE ONLY WITH ADEQUATE PERSONAL PROTECTION.

STORAGE PROCEDURES: STORE IN A COOL, DRY PLACE.

WORK/HYGIENIC PRACTICES: USE SAFE CHEMICAL HANDLING PROCEDURES SUITABLE FOR THE

HAZARDS PRESENTED BY THIS MATERIAL. AVOID CONTACT WITH EYES. SOLUTIONS OF THIS MATERIAL ARE ACIDIC AND STRONGLY IRRITATING. WILL ATTACK MOST METALS.

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

ENGINEERING CONTROLS:  
N/A

PERSONAL PROTECTIVE EQUIPMENT:  
SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES RECOMMENDED. IF SPLASHING CAN OCCUR, A FACE SHIELD IS ADVISABLE.

PROTECTIVE CLOTHING:  
CHEMICAL RESISTANT GLOVES.

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

APPEARANCE:	CLEAR LIQUID
ODOR:	CITRUS
CHEMICAL TYPE:	N/A
PHYSICAL STATE:	LIQUID
MELTING POINT:	N/A
BOILING POINT:	N/A
FLASH POINT:	CLOSED CUP: .100 <sup>0</sup> C (212 <sup>0</sup> F)
SPECIFIC GRAVITY	N/A
MOLECULAR WEIGHT:	N/A
PERCENT VOLITILES:	N/A
VAPOR PRESSURE:	N/A
Ph factor:	<2 [ACIDIC] THE Ph of a 1000 PPM AQUEOUS SOLUTIONS IS 4-6
SOLUBILITY	SOLUBLE IN HOT AND COLD WATER.

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

GENERAL: STABLE

HAZARDOUS POLYMERIZATION: N/A

INCOMPATIBILITY: STRONG ACIDS, STRONG BASES, STRONG OXIDIZERS, AND REDUCING AGENTS. REACTIVE METALS: IRON, ZINC, OR ALUMINUM AND METALLIC NITRATES.

HAZARDOUS DECOMPOSITION: CARBON OXIDES (CO, CO<sub>2</sub>)

## **SECTION 11. TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS: NOT DETERMINED. EXPECTED TO BE MODERATELY TOXIC BASED ON COMPONENTS.

IRRITANT/SENSITIZATION EFFECTS:  
VERY HAZARDOUS IN CASE OF EYE CONTACT (IRRITANT, CORROSIVE). INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS,

WATERING, AND ITCHING.

HAZARDOUS IN CASE OF SKIN CONTACT (CORROSIVE, IRRITANT). SKIN CONTACT MAY PRODUCE BURNS. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY, BLISTERING.

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.

CARCINOGENIC POTENTIAL: NOT DETERMINED. NOT SHOWN AS A CARCINOGEN BY OSHA, IARC, OR NTP.

TARGET ORGANS EFFECTS: CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: KIDNEYS.

MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: UPPER RESPIRATORY TRACT, SKIN, EYES.

OTHER HEALTH EFFECTS: NONE KNOWN.

## **SECTION 12. ECOLOGICAL INFORMATION**

NO DATA 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: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.,  
(ETHANEDOIOIC ACID)

UN/NA NUMBER: UN3265

HAZARD CLASS: 8

PACKING GROUP: III

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

## **SECTION 15. REGULATORY INFORMATION**

NONE

## **SECTION 16. OTHER INFORMATION**

NONE

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