



## MATERIAL SAFETY DATA SHEET

### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE STICKS

PRODUCT DESCRIPTION: TRI CHLOR STICKS  
DATE PREPARED: 3/25/05

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#
TRICHLOROISOCYANURIC ACID	96-100	N/A	N/A	87-90-1
DICHLOROISOCYANURIC ACID	0-4	N/A	N/A	2782-57-2

### SECTION 3 HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

#### POTENTIAL HEALTH EFFECTS

INHALATION: IRRITATING TO NOSE, MOUTH, THROAT AND LUNGS, BURNS TO RESPIRATORY TRACT.

EYE CONTACT: SEVERE IRRITATION AND/OR BURNS.

SKIN CONTACT: SEVERE IRRITATION AND/OR BURNS.

INGESTION: IRRITATION OR BURNS CAN OCCUR TO THE GASTROINTESTINAL TRACT.

CHRONIC: MAY CAUSE IMPAIRMENT OF LUNG FUNCTION AND PERMANENT LUNG DAMAGE.

HMS HAZARD CODE: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 2

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

- INHALATION: REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN AND KEEP PERSON WARM AND AT REST. CALL A PHYSICIAN
- EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. CALL A PHYSICIAN AT ONCE.
- SKIN CONTACT: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. IF CLOTHING COMES IN CONTACT WITH THE PRODUCT, REMOVE IMMEDIATELY AND WASH BEFORE RE-USE.
- INGESTION: IMMEDIATELY DRINK LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN AT ONCE. DO NOT GIVE ANYTHING BY MOUTH IF THE PERSON IS UNCONSCIOUS OR IF HAVING CONVULSIONS.

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

FLASHPOINT AND METHOD: N/A

GENERAL HAZARD: USE WATER TO COOL CONTAINERS EXPOSED TO FIRE. ON SMALL FIRES USE WATER SPRAY OR FOG. ON LARGE FIRES, USE HEAVY DELUGE OR FOG STREAMS. FLOODING AMOUNTS OF WATER MAY BE REQUIRED BEFORE EXTINGUISHMENT CAN BE ACCOMPLISHED. **DO NOT** USE DRY CHEMICAL EXTINGUISHERS CONTAINING AMMONIA COMPOUNDS.

FIRE FIGHTING INSTRUCTIONS: NONE

FIRE FIGHTING EQUIPMENT: SPRAY OR FOG, HEAVY DELUGE OR FOG STREAMS.

HAZARDOUS COMBUSTION PRODUCTS: NONE

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

HAZARDOUS CONCENTRATIONS IN AIR MAY BE FOUND I LOCAL SPILL AREA AND IMMEDIATELY DOWNWIND. IF SPILL MATERIAL IS STILL DRY, DO NOT PUT WATER DIRECTLY ON THIS PRODUCT AS A GAS EVOLUTION MAY OCCUR. DO NOT CONTAMINATE SPILL MATERIAL WITH ANY ORGANIC MATERIALS, AMMONIA, AMMONIUM SALTS OR UREA. CLEAN UP ALL SPILL MATERIAL WITH CLEAN, DRY DEDICATED EQUIPMENT AND PLACE IN A CLEAN DRY CONTAINER.

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

STORE IN A CLEAN, DRY, WELL-VENTILATED AREA. KEEP AWAY FROM INCOMPATIBLE CHEMICALS. DO NOT STORE AT TEMPERATURES ABOVE 60 DEG. C/140 DEG. F. PRODUCT HAS AN INDEFINITE SHELF LIFE.

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

### **ENGINEERING CONTROLS**

VENTILATION: LOCAL EXHAUST

### **PERSONAL PROTECTION**

RESPIRATOR: MSHA-NIOSH APPROVED FULL FACEPIECE RESPIRATOR EQUIPPED WITH CHEMICAL CARTRIDGE.

PROTECTIVE CLOTHING: NEOPRENE GLOVES, CHEMICAL SAFETY GLASSES OR GOGGLES, NEOPRENE APRON AND IMPERVIOUS CLOTHING, SAFETY SHOWER AND EYEWASH STATION IN WORK AREA.

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

VAPOR PRESSURE:	N/A	VAPOR DENSITY:	N/A
SPECIFIC GRAVITY:	>1 @ 20 DEG. C	PHYSICAL STATE:	SOLID
SOLUBILITY IN WATER:	1.2% @ 25 DEG.C	EVAPORATION RATE:	N/A
pH:	2.7-2.9	BOILING POINT:	N/A
FREEZING POINT:	N/A	VISCOSITY:	N/A
ODOR:	SHARP CHLORINE	APPEARANCE:	WHITE GRANULAR

## **SECTION 10 STABILITY AND REACTIVITY**

GENERAL: STABLE UNDER NORMAL CONDITIONS

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: WATER, TEMPERATURES ABOVE 225 DEG. C/437 DEG. F.

HAZARDOUS DECOMPOSITION: NITROGEN, TRICHLORIDE, CHLORINE, NITROUS OXIDES, CYANATE, CARBON MONOXIDES, CARBON DIOXIDE.

## **SECTION 11 TOXICOLOGICAL INFORMATION**

INHALATION LC50: APPROX. 0.68 MG/L (4 HOUR, RATS - NOSE ONLY).

ORAL LD50: 490 MG/KG (RAT)

DERMAL LD50: >2 G/KG (RABBIT)

NOT KNOWN TO BE A CARCINOGEN.

## **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:	TRICHLOROISOCYANURIC ACID DRY
UN/NA NUMBER:	UN2468
HAZARD CLASS:	5.1
PACKING GROUP:	II

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**SECTION 15 REGULATORY INFORMATION**

NONE

**SECTION 16 OTHER INFORMATION**

NONE

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