

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE 3" TABS

PRODUCT DESCRIPTION: SWIMMING POOL SANITIZER
DATE PREPARED: 3/25/05

MANUFACTURER NAME: SUNCOAST CHEMICALS COMPANY
MANUFACTURER ADDRESS: 14480 62nd STREET NORTH
CLEARWATER, FLORIDA 33760
MANUFACTURER PHONE: 727 531-8913

SUPPLIER NAME AND ADDRESS: SUNCOAST CHEMICALS COMPANY
14480 62nd STREET NORTH
CLEARWATER, FLORIDA 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 THE NOSE, MOUTH, THROAT AND LUNGS. IT MAY ALSO CAUSE BURNS TO THE RESPIRATORY TRACT WITH THE PRODUCTION OF LUNG EDEMA WHICH CAN RESULT IN SHORTNESS OF BREATH, WHEEZING, CHOKING, CHEST PAIN AND IMPAIRMENT OF LUNG FUNCTION. INHALATION OF HIGH CONCENTRATIONS CAN RESULT IN PERMANENT LUNG DAMAGE. CHRONIC INHALATION EXPOSURE MAY CAUSE IMPAIRMENT OF LUNG FUNCTION AND PERMANENT LUNG DAMAGE.

EYE CONTACT: SEVERE IRRITATION AND/OR BURNS CAN OCCUR FOLLOWING EYE EXPOSURE. CONTACT MAY CAUSE IMPAIRMENT OF VISION AND CORNEAL DAMAGE.

SKIN CONTACT: DERMAL EXPOSURE CAN CAUSE SEVERE IRRITATION AND/OR BURNS CHARACTERIZED BY REDNESS, SWELLING AND SCAB FORMATION. PROLONGED SKIN EXPOSURE MAY CAUSE DESTRUCTION OF THE DERMIS WITH IMPAIRMENT OF THE SKIN AT SITE OF CONTACT TO REGENERATE. REPEATED SKIN EXPOSURE MAY CAUSE TISSUE DESTRUCTION DUE TO THE CORROSIVE NATURE OF THE PRODUCT.

INGESTION: IRRITATION AND/OR BURNS CAN OCCUR TO THE GASTROINTESTINAL TRACT, INCLUDING THE STOMACH AND INTESTINES, CHARACTERIZED BY NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, BLEEDING AND/OR TISSUE ULCERATION. INGESTION CAUSES SEVERE DAMAGE TO THE GASTROINTESTINAL TRACT WITH THE POTENTIAL TO CAUSE PERFORATION. CHRONIC INGESTION OF SIGNIFICANT AMOUNTS OF THIS PRODUCT IS UNLIKELY BECAUSE OF ITS ACUTE CORROSIVE ACTION.

HMIS HAZARD CODE: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 2
NFPA HAZARD CODE: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 2

SECTION 4 FIRST AID MEASURES

INHALATION: IF PERSON EXPERIENCES NAUSEA, HEADACHE OR DIZZINESS, PERSON SHOULD STOP WORK IMMEDIATELY AND MOVE TO FRESH AIR UNTIL THESE SYMPTOMS DISAPPEAR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN AND KEEP THE PERSON WARM AND AT REST. SEEK MEDICAL ATTENTION IMMEDIATELY. IN THE EVENT THAT AN INDIVIDUAL INHALES ENOUGH VAPOR TO LOSE CONSCIOUSNESS, PERSON SHOULD BE MOVED TO FRESH AIR AT ONCE AND MEDICAL ATTENTION SHOULD BE CALLED IMMEDIATELY. IF BREATHING HAS STOPPED, ARTIFICIAL RESPIRATION SHOULD BE GIVEN IMMEDIATELY. IN ALL CASES, ENSURE ADEQUATE VENTILATION AND PROVIDE RESPIRATORY PROTECTION BEFORE THE PERSON RETURNS TO WORK.

EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY. IF CLOTHING COMES IN CONTACT WITH THE PRODUCT, THE CLOTHING SHOULD BE REMOVED IMMEDIATELY AND SHOULD BE LAUNDERED BEFORE RE-USE.

INGESTION: IMMEDIATELY DRINK LARGE QUANTITIES OF WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY. 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

EXTINGUISHING MEDIA: NOT APPLICABLE

FIRE FIGHTING TECHNIQUES:

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.

PERSONAL PROTECTION:

WEAR A HALF MASK CARTRIDGE TYPE NIOSH APPROVED RESPIRATOR, WITH CHLORINE CARTRIDGES. ALL OTHER RESPONSES TO THIS MATERIAL REQUIRE THE USE OF A SELF-CONTAINED BREATHING APPARATUS (SCBA). ADDITIONAL PROTECTIVE CLOTHING, INCLUDING BOOTS, GLOVES, HARD HAT, SPLASH-PROOF GOGGLES AND IMPERVIOUS CLOTHING MUST BE WORN TO PREVENT PERSONAL CONTACT WITH THIS MATERIAL.

SECTION 6 ACCIDENTAL RELEASE MEASURES

HAZARDOUS CONCENTRATIONS IN AIR MAY BE FOUND IN 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 OR AMMONIUM SALTS. CLEAN UP ALL SPILL MATERIAL WITH CLEAN, DRY DEDICATED EQUIPMENT AND PLACE IN A CLEAN DRY CONTAINER.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

HANDLING PRECAUTIONS:

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

STORAGE PRECAUTIONS:

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:

USE LOCAL EXHAUST VENTILATION TO MINIMIZE DUST AND CHLORINE LEVELS WHERE INDUSTRIAL USE OCCURS.

RESPIRATORY PROTECTION:

WHEN DUSTY CONDITIONS ARE ENCOUNTERED, WEAR A NIOSH/MSHA APPROVED FULL FACEPIECE RESPIRATOR EQUIPPED WITH CHEMICAL CARTRIDGE FOR PROTECTION AGAINST CHLORINE GAS AND A DUST/MIST TYPE PREFILTER.

EYE PROTECTION:

USE CHEMICAL SAFETY GLASSES TO AVOID EYE CONTACT. WHERE INDUSTRIAL USE OCCURS, CHEMICAL GOGGLES MAY BE REQUIRED.

HAND PROTECTION:

AVOID CONTACT WITH SKIN. NEOPRENE GLOVES SHOULD BE WORN WHEN USING THIS SUBSTANCE. GLOVES SHOULD BE REMOVED AND REPLACED IMMEDIATELY IF THERE IS ANY INDICATION OF DEGRADATION OR CHEMICAL BREAKTHROUGH. RINSE AND REMOVE GLOVES IMMEDIATELY AFTER USE. WASH HANDS WITH SOAP AND WATER.

OTHER PROTECTION:

CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. DO NOT EAT, DRINK OR SMOKE UNTIL SHOWERING AND CHANGING CLOTHES.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------|--|
| APPEARANCE: | WHITE GRANULAR |
| ODOR: | SHARP, CHLORINE-LIKE, BLEACH ODOR |
| FREEZING POINT: | N/A |
| BOILING POINT: | N/A |
| DECOMPOSITION: | 225 deg C (437 deg F) |
| SPECIFIC GRAVITY: | >1 @ 20C |
| BULK DENSITY: | GRANULAR – 0.89 to 1.1 g/cc; TABLETS – 1.16 to 1.90 g/cc |
| pH OF 1% SOLUTION: | 2.7 – 2.9 |
| VAPOR PRESSURE: | N/A |
| SOLUBILITY IN WATER: | 1.2% @ 25C |
| EVAPORATION RATE: | N/A |
| VAPOR DENSITY: | N/A |
| MOLECULAR WEIGHT: | 232.5 |

SECTION 10 STABILITY AND REACTIVITY

GENERAL:

STABLE UNDER NORMAL CONDITIONS OF STORAGE, SHIPMENT AND/OR USE.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

AVOID CONTACT WITH SMALL AMOUNTS OF WATER. DAMP OR SLIGHTLY WET PRODUCT WILL EVOLVE NITROGEN TRICHLORIDE. AVOID TEMPERATURES ABOVE 225 DEG. C/437 DEG. F.

HAZARDOUS DECOMPOSITION:

NITROGEN, TRICHLORIDE, CHLORINE, NITROUS OXIDES, CYANATES, CARBON MONOXIDES AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

TARGET ORGAN TOXICITY:

THIS PRODUCT IS CORROSIVE TO ALL TISSUES CONTACTED AND UPON INHALATION, MAY CAUSE IRRITATION TO MUCOUS MEMBRANES AND RESPIRATORY TRACT. THERE ARE NO KNOWN OR REPORTED EFFECTS FROM REPEATED EXPOSURE. TOXICOLOGICAL INVESTIGATION INDICATES IT DOES NOT PRODUCE SIGNIFICANT EFFECTS FROM CHRONIC EXPOSURE.

CARCINOGENICITY:

NOT KNOWN TO BE A CARCINOGENIC

SECTION 12 ECOLOGICAL INFORMATION

NO INFORMATION AVAILABLE

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 |

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

SECTION 15 REGULATORY INFORMATION

SARA TITLE III
REPORTABLE CHEMICAL

WORKPLACE HAZARD:
CONSIDERED HAZARDOUS UNDER OSHA STANDARDS

SECTION 16 OTHER INFORMATION

NONE

Disclaimer:

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