



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE METAL-GONE

DATE PREPARED: 4/25/2005

MANUFACTURER NAME: SUNCOAST CHEMICALS CO.
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 #
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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 AND SKIN. AVOID BREATHING VAPORS OR SPRAY MISTS.

EFFECTS OF ACUTE EXPOSURE:

INHALATION:

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 (CORROSIVE, IRRITANT). 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.

HEALTH HAZARDS: THE EFFECTS FROM CHRONIC EXPOSURE TO THIS PRODUCT HAVE NOT BEEN FULLY EVALUATED.

HMIS HAZARD CODE: HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1
NFPA HAZARD CODE: HEALTH: 3 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 (MINIMUM OF 15 MINUTES). TAKE EXPOSED INDIVIDUAL TO A HEALTH CARE PROFESSIONAL FOR FURTHER EVALUATION.

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

INGESTION: DO NOT INDUCE VOMITING. RINSE WITH COPIOUS AMOUNTS OF WATER OR MILK, FIRST. IRRIGATE THE ESOPHAGUS AND DILUTE STOMACH CONTENTS BY SLOWLY GIVING ONE (1) TO TWO (2) 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: 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: OXIDES OF CARBON, PHOSPHORIC ACID AND OTHER UNIDENTIFIED COMBUSTIBLE PRODUCTS.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: INITIALLY MINIMIZE AREA AFFECTED BY SPILL OR LEAK. BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS (E.G., SEWERS, STREAMS, LAKES, ETC). BASED ON THE PRODUCT'S TOXICOLOGICAL AND CHEMICAL PROPERTIES, AND ON THE SIZE

AND LOCATION OF THE SPILL OR LEAK, ASSESS THE IMPACT ON CONTAMINATED ENVIRONMENTS (E.G. WATER SYSTEMS, GROUND, AIR EQUIPMENT, ETC.) THERE ARE NO METHODS AVAILABLE TO COMPLETELY ELIMINATE ANY TOXICITY THIS PRODUCT MAY HAVE ON AQUATIC ENVIRONMENTS. RECOVER AS MUCH OF THE PURE PRODUCTS AS POSSIBLE INTO APPROPRIATE CONTAINERS. CLAY, SOIL, OR COMMERCIALY AVAILABLE ABSORBENTS MAY BE USED TO RECOVER ANY MATERIAL THAT CAN NOT READILY BE RECOVERED AS PURE PRODUCT. FLUSHING RESIDUAL MATERIAL TO AN INDUSTRIAL SEWER, IF PRESENT AT THE SITE OF A SPILL OR LEAK INCIDENT, MAY BE ACCEPTABLE IF AUTHORIZED APPROVAL IS OBTAINED. IF PRODUCT AND/OR SPILL/LEAK RESIDUALS ARE FLUSHED TO AN INDUSTRIAL SEWER, INSURE THAT THEY DO NOT COME IN CONTACT WITH INCOMPATIBLE MATERIALS.

EMERGENCY ACTION: N/A

SECTION 7. HANDLING AND STORAGE

HANDLING PROCEDURES: PROVIDE DILUTION VENTILATION TO CONTROL VAPOR AND/OR MIST LEVEL. 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. A COMPREHENSIVE RESPIRATORY PROTECTION PROGRAM IS NEEDED WHEN RESPIRATORS MUST BE USED.

STORAGE PROCEDURES: NOT KNOWN

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: NOT KNOWN

PERSONAL PROTECTIVE EQUIPMENT: EYES/FACE:

IF SPLASHING CAN OCCUR, A FACE SHIELD IS ADVISABLE.

PROTECTIVE CLOTHING: CHEMICAL RESISTANT GLOVES, INDIRECT VENTILATION GOGGLES, BODY-PROTECTIVE CLOTHING, AND CHEMICAL RESISTANT SAFETY SHOES ARE REQUIRED.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE: N/A
VAPOR DENSITY: 1.28 G/CM³
FLASH POINT: CLOSED CUP: >100⁰ C (212F)
SOLUBILITY IN WATER: SOLUBLE IN HOT AND COLD WATER.
EVAPORATION RATE: N/A
pH: <1 [ACIDIC]
ADDITIONAL Ph INFO: <2 (10% AQUEOUS)
BOILING POINT: N/A

FREEZING POINT: -17°C
VISCOSITY: N/A
ODOR: SLIGHT
APPEARANCE: LIGHT YELLOW LIQUID

SECTION 10. STABILITY AND REACTIVITY

GENERAL: STABLE UNDER NORMAL CONDITIONS OF USE AND STORAGE.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: STEEL, STRONG BASES, STRONG OXIDIZERS AND STRONG ALKALI.

HAZARDOUS DECOMPOSITION: OXIDES OF CARBON, PHOSPHORIC ACID AND OTHER UNIDENTIFIED COMBUSTIBLE PRODUCTS.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

ACUTE ORAL (LD50) - . 2000 MG/KG RAT

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 SHOWN AS A CARCINOGEN BY OSHA, IARC, OR NTP.

TARGET ORGANS EFFECTS:

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

OTHER HEALTH EFFECTS:

NONE KNOWN.

SECTION 12. ECOLOGICAL INFORMATION

LC50 = >100 MG/L 48 HOURS DAPHNIA MAGNA
LC50 = 1000 MG/L 96 HOURS RAINBOW TROUT

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., (2-PHOSPHONO-1,2, 4-BUTANETRICARBOXYLIC ACID)

UN/NA NUMBER: UN3265

HAZARD CLASS: 8

PACKING GROUP: III (ERG GUIDE 153)

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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