



MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BLUE WAVE BLACK ZAPPER

PRODUCT DESCRIPTION: COPPER AND NITROGEN COMPLEX
UPDATED: 9/1/04

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#
POLY[OXYETHYLENE DIMETHYLIMINIO) ETHYLENE (DIMETHYLIMINIO) ETHYLENE DICHLORIDE]	20%	N/A	N/A	31075-24-8
COPPER AS ELEMENTAL	2%	N/A	N/A	N/A
OTHER INGREDIENTS	78%	N/A	N/A	N/A

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

INHALATION: CAUSES RESPIRATORY TRACT IRRITATION.

EYE CONTACT: CAUSES SEVERE EYE BURNS.

SKIN CONTACT: CORROSIVE TO LIVING TISSUE.

INGESTION: HARMFUL IF SWALLOWED.

HMIS HAZARD CODE: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1
NFPA HAZARD CODE: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

SECTION 4 FIRST AID MEASURES

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

EYE CONTACT: REMOVE THE VICTIM FROM THE SOURCE OF CONTAMINATION OR EXPOSURE TO THE NEAREST EYEWASH OR OTHER SOURCE OF CLEAN WATER. IN CASE OF CONTACT, HOLD EYELIDS APART AND IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SKIN CONTACT: RINSE THE AFFECTED AREA WITH TEPID WATER FOR AT LEAST 15 MINUTES.

INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. IF VICTIM IS FULLY CONSCIOUS, GIVE ONE OR TWO CUPS OF WATER OR MILK TO DRINK. IF SWALLOWED, DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIANS: EVALUATE PRINCIPAL ROUTE OF ENTRY.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: N/A

EXTINGUISHING MEDIA:
USE THE APPROPRIATE EXTINGUISHING MEDIA FOR THE SURROUNDING FIRE.
COMBUSTION PRODUCTS ARE TOXIC.

SECTION 6 ACCIDENTAL RELEASE MEASURES

CONTAIN AND/OR ABSORB SPILL WITH INERT MATERIAL (E.G. SAND OR VERMICULITE). AVOID RELEASE TO THE ENVIRONMENT.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS:
KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING.

HANDLING PRECAUTIONS:
AVOID CONTACT WITH EYES. WASH HANDS BEFORE EATING, DRINKING OR SMOKING.
AVOID CONTACT WITH SKIN AND CLOTHING.

STORAGE PRECAUTIONS:
STORE IN A COOL DRY PLACE. KEEP OUT OF REACH OF CHILDREN.

WORK/HYGIENIC PRACTICES:
USE SAFE CHEMICAL HANDLING PROCEDURES SUITABLE FOR THE HAZARDS PRESENTED BY THIS MATERIAL.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

LOCAL EXHAUST ACCEPTABLE. SPECIAL EXHAUST NOT REQUIRED.

EYE/FACE PROTECTION:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES RECOMMENDED.

SKIN PROTECTION:

CHEMICAL-RESISTANT GLOVES.

RESPIRATORY PROTECTION:

GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	LIQUID
APPEARANCE:	BLUE VISCOUS
ODOR:	SLIGHT
CHEMICAL TYPE:	MIXTURE
BOILING POINT:	212 deg F
SPECIFIC GRAVITY:	1.2
PERCENT VOLITILES:	NIL
VAPOR PRESSURE:	NOT ESTABLISHED
VAPOR DENSITY:	>1
pH FACTOR:	6-8
SOLUBILITY:	SOLUBLE
EVAPORATION RATE:	<1

SECTION 10 STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:
CONTACT WITH CLAY

INCOMPATIBLE MATERIALS:
STRONG ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS:
HYDROGEN CHLORIDE FUMES, OXIDES OF CARBON AND NITROGEN

SECTION 11 TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

SECTION 12 ECOLOGICAL INFORMATION

NO DATA 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:	CORROSIVE LIQUIDS, N.O.S.
UN/NA NUMBER:	UN1760
HAZARD CLASS:	8
PACKING GROUP:	III

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SECTION 15 REGULATORY INFORMATION

VARIOUS STATE REGULATIONS

SECTION 16 OTHER INFORMATION

NONE

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