

MATERIAL SAFETY DATA SHEET

U. S. DEPARTMENT OF LABOR

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)

NFPA HAZARDS RATING

- 4 - EXTREME
- 3 - HIGH
- 2 - MODERATE
- 1 - SLIGHT
- 0 - INSIGNIFICANT

SANCO INDUSTRIES, INC.  
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FORT WAYNE, IN 46803  
(260) 426-6281

FIRE  
0

TOXICITY 0

1 REACTIVE

SPECIAL

MATERIAL SAFETY DATA SHEET

Product Identity: *Crystal Plex* Emergency Telephone Number: 1-800-424-9300 (CHEMTREC)

Date Prepared: April 3, 2001

SECTION I - Hazardous Ingredients Identity Information

Hazardous component, (specific chemical identity   %	OSHA-PEL	ACGIH-TLV	Other Limits Recommended
Copper CASRN 7440-50-8 (From Copper Sulfate Pentahydrate)	5.0	NA	NA
*Sulfuric Acid CASRN 7664-93-9 *Corrosive to metals and some fabrics,	<5.0	TWA 1 mg/M	IDLH 80 mg/M

NON HAZARDOUS INGREDIENTS.....95%  
TOTAL.....100%

SECTION II - Physical and Chemical Characteristics

Product: A COPPER SULFATE BASE SOLUTION

Boiling Point: 220 degrees F      Specific Gravity:

Vapor Pressure (MM Hgt) N/A      Melting Point:

Vapor Density (Air=1): N/A      Evaporation Rate:

Solubility In Water: COMPLETELY SOLUBLE      Appearance and Odor: CLEAR BLUE LIQUID;  
ODORLESS

pH\*: 0.2 - 1.5 \* NON-CORROSIVE TO HUMAN AND ANIMAL TISSUE

### SECTION III - Fire and Explosion Hazard Data

Flash Point: NONE Flammable Limits: NONE  
Special Fire Fighting Procedures: NONE Unusual Fire and Explosion Hazards: NONE

### SECTION IV - Reactivity Data

Stability: STABLE.  
Incompatibility: HIGH pH SOLUTIONS, STRONG BASES. CORROSIVE TO SOME METALS AND FABRICS.  
(Materials to Avoid)  
Hazardous Decomposition Of By-products: SULFURIC ACID FUMES MAY BE GENERATED BY THERMAL DECOMPOSITION.  
Hazardous Polymerization: WILL NOT OCCUR.

### SECTION V - Health Hazard Data

Health Hazards: AVOID CONTACT WITH EYES - IRREVERSIBLE EYE DAMAGE MAY RESULT. AVOID PROLONGED CONTACT WITH SKIN. MAY CAUSE SKIN IRRITATION. SULFUR (Acute and Chronic) ALLERGIES MAY OCCUR.  
Signs and Symptoms of Exposure: ALLERGIES MAY OCCUR. SKIN IRRITATION MAY OCCUR. AVOID PROLONGED BODY CONTACT (ALWAYS USE PROTECTIVE CLOTHING).  
Medical Conditions Generally Aggravated by Exposure: SULFUR ALLERGIES MAY OCCUR.  
Emergency and First Aid Procedures: TREAT AS A SULPHUR BASE REACTION. ALWAYS MOVE TO FRESH AIR. WASH SKIN AREA WITH POTABLE WATER.

### SECTION VI - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: FLUSH WITH WATER INTO A RETAINING AREA. CONTAIN AND NEUTRALIZE WITH BICARBONATE OF SODA OR LIMESTONE.  
Waste Disposal Method: NEUTRALIZE WITH BICARBONATE OF SODA OR FERTILIZER GRADE LIMESTONE AND DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.  
Precautions to be Taken in Handling and Storage: AVOID STORAGE IN EXCESSIVE HEAT - EXPANSION OF CONTAINER MAY OCCUR CREATING SPILLAGE.  
Other Precautions: DO NOT STORE IN NYLON OR GALVANIZED EQUIPMENT, CONCENTRATE WILL DESTROY NYLON AND COTTON CLOTH.

### SECTION VII - Control Measures

Respiratory Protection: ADEQUATE LOCAL VENTILATION  
(Specify Type)  
Ventilation: YES  
Local Exhaust: YES  
Protective Gloves: YES/MILD IRRITATION MAY OCCUR  
Eye Protection:  
Work Hygiene Practices: WASH WITH WATER.

SECTION VIII - TRANSPORTATION INFORMATION

DOT INFORMATION

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (contains sulfuric acid)

Hazard Class: 8

UN/NA #: UN2796\*\*

Packing Group: II

\*\*Less than 51% sulfuric acid