

Sanco Industries Inc.
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MATERIAL SAFETY DATA SHEET Date: 8/10/04

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910. 1200.
Standard must be consulted for specific requirements.

SECTION I	PRODUCT IDENTIFICATION
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<u>Product Name:</u> Crystal Plex	<u>Emergency Phone:</u> 800-424-9300
<u>EPA Reg. Number:</u> 72536-1-72838	<u>Date:</u> 8-17-09

SECTION II	HAZARDOUS INGREDIENTS IDENTIFICATION INFORMATION
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NFPA HAZARDS RATING

Fire 0
Toxicity 0
Reactive 1

<u>COMPONENT</u>	<u>PERCENTAGE</u>	<u>OSHA-PEL</u>	<u>OTHER LIMITS RECOMMENDED</u>
Copper CASRN 7440-50-8 (Form Copper Sulfate Pentahydrate)	19.8 %	NA	NA
*Sulfuric Acid CASRN 7664-93-9			
*Corrosive to Metals and some Fabrics,	<5. %	TWA 1 mg/M	IDLH 80 mg/M
NON HAZARDOUS INGREDIENTS.....	80.2 %		
TOTALS	100 %		

SECTION III	PHYSICAL / CHEMICAL DATA
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<u>APPEARANCE AND ODOR:</u> Clear blue liquid; odorless	<u>MELTING POINT:</u> N/A
<u>BOILING POINT:</u> 220 degrees F	<u>SOLUBILITY IN WATER:</u> Completely Soluble.
<u>VAPOR PRESSURE (MM Hgt):</u> N/A	<u>VAPOR DENSITY (AIR=1):</u> N/A
<u>EVAPORATION RATE:</u> N/A	<u>SPECIFIC GRAVITY:</u> 1.19
<u>*pH:</u> 0.2 – 1.5	

SECTION IV	FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT: None
FLAMMABLE LIMITS: None
SPECIAL FIREFIGHTING PROCEDURES: None.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None Known

SECTION V	REACTIVITY DATA
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STABILITY: The product is stable
INCOMPATILITY (Materials to avoid): High pH Solutions, Strong Bases. Corrosive To Some Metals and Fabrics.
HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: Sulfuric Acid Fumes May Be Thermal Decomposition.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI**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 sulfur base reaction. Always move to fresh air. Wash skin area with potable water.

SECTION VII**PRECAUTIONS FOR SAFE HANDLING AND USE**

SREPS 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 local, state, & federal 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 VIII**CONTROL MEASURES (PPE)**

RESPIRATORY PROTECTION: ADEQUATE LOCAL VENTILATION.

VENTILATION: YES

LOCAL EXHAUST: YES

PROTECTIVE GLOVES: YES/MILD IRRITATION MAY OCCUR

EYES PROTECTION: YES

WORK HYGIENE PRACTICES: WASH WITH WATER.

SECTION IX**TRANSPORTATION INFORMATION**

DOT SHIPPING NAME: Corrosive liquid, acidic, inorganic, n.o.s. (contains sulfuric acid)

DOT HAZARD CLASS: 8

UN/NA #: UN3264**

PACKING GROUP: III

** Less Than 5% Sulfuric Acid

08-2009 (According to federal regulation 49 CFR Section 173.154, this product can be classified as a limited quantities material. This product also conforms to section 171.8 and may be renamed a “consumer commodity” and is therefore able to be shipped as an **ORM-D.)**