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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.

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

<b>SECTION II</b>	<b>HAZARDOUS INGREDIENTS IDENTIFICATION INFORMATION</b>
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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 %		

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

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

<b>SECTION V</b>	<b>REACTIVITY DATA</b>
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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.**)**