

Sanco Industries Inc.
P.O. Box 11617; Fort Wayne, IN 46859
Phone (888) 697-2626 / Fax (260) 426-7673

MATERIAL SAFETY DATA SHEET

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
------------------	-------------------------------

Product Name: Copper Advanced

Emergency Phone: 800-424-9300

SECTION II	HAZARDOUS INGREDIENTS IDENTIFICATION INFORMATION
-------------------	---

NFPA HAZARDS RATING

Fire 0
Toxicity 0
Reactive 1

<u>COMPONENT</u>	<u>PERCENTAGE</u>	<u>OSHA-PEL</u>	<u>OTHER LIMITS RECOMMENDED</u>
Ionized Copper CASRN 7440-50-8 (From Copper Sulfate Pentahydrate)	19.8 %	N/A	N/A
*Sulfuric Acid CASRN 7664-93-9			
*Corrosive to Metals and some Fabrics,	<2.0 %	TWA 1 mg/M	IDLH 80 mg/M
Acid Blue #9	<2.0%	N/A	N/A
Non-Ionized Surfactant	2.8%	N/A	N/A
Non Hazardous Inert Ingredients	>74.4. %		
TOTALS	100 %		

SECTION III	PHYSICAL / CHEMICAL DATA
--------------------	---------------------------------

APPEARANCE AND ODOR: Clear blue liquid; odorless
BOILING POINT: 220 degrees F
VAPOR PRESSURE (MM Hgt): N/A
EVAPORATION RATE: N/A
***pH:** 0.2 - 1.5

MELTING POINT: N/A
SOLUBILITY IN WATER: Completely Soluble.
VAPOR DENSITY (AIR=1): N/A
SPECIFIC GRAVITY: 1.19

SECTION IV	FIRE AND EXPLOSION HAZARD DATA
-------------------	---------------------------------------

FLASH POINT: None
FLAMMABLE LIMITS: None
SPECIAL FIREFIGHTING PROCEDURES: None.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None Known

SECTION V	REACTIVITY DATA
------------------	------------------------

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.**)