

WHITE LABEL™ COPPER

Material Safety Data Sheet (rev.10/16)

SECTION I PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS

HEALTH HAZARD 2 FIRE HAZARD 1 REACTIVITY 0
 Based on the National Fire Protection Association rating system
 (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)

SARA/ TITLE III HAZARD CATEGORIES (See Section IX)

Immediate (ACUTE) Health: Yes Reactive Hazard: none
 Delayed (Chronic) Health: none Fire Hazard: none Sudden Release of Pressure: Not applic

Company Name: STOLLER USA, INC.
 Address: 4001 W. Sam Houston Parkway, N., Suite 100
 Houston, Texas 77043-1226 U.S.A.
 Emergency Phone Number: CHEMTREC: In the U.S. and Canada call Toll-free: 1 (800) 424-9300
 From other countries call collect: 1 (703) 527-3887
 Phone Number for Information: 1 (800) 539-5283 or 1 (713) 461-1493
 Chemical Family: Solution of organic acid with copper.
 Chemical Name & Synonyms: Liquid fertilizer containing copper and sulfur.
 Formula: Proprietary
 Trade name & Synonyms: **WHITE LABEL™ COPPER (4% S, 5% Cu)**

SECTION II COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS#	Approx. %	TLV
Lignosulfonic Acid, Sodium Salf	68512-34-5	5 - 10	
Copper Sulfate	7758-98-7	20 - 25	1 mg/ m ³ (TWA)

SECTION III HAZARD IDENTIFICATION

A. EXPOSURE LIMITS:

1. OSHA Permissible Exposure Limit (PEL): NOT ESTABLISHED
2. Threshold Limit Value (TLV): NOT ESTABLISHED

B. CARCINOGEN OR POTENTIAL CARCINOGEN:

C. EFFECTS OF OVEREXPOSURE:

1. **ACUTE:**
EYES: Contact with product may cause severe irritation and possibly irreversible damage.
SKIN: Harmful if absorbed through broken skin. Large doses may cause liver and kidney damage. May cause, discomfort, irritation, injury and death unless treated promptly.
INHALATION: Prolonged exposure to low concentrations of vapors may cause sore throat and headache, which are temporary.
INGESTION: May cause malaise, nausea, gastrointestinal damage, or even death unless treated promptly.
2. **CHRONIC:** Not known.

D. ADDITIONAL INFORMATION: Note to physician: symptomatic treatment.

SECTION IV FIRST-AID MEASURES

A. EMERGENCY FIRST AID PROCEDURES:

EYES: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
SKIN: Remove product and immediately wash affected area with soap and water for 15 minutes. Do not apply greases or ointments. Launder contaminated clothing.
INHALATION: Move patient to fresh air. Supplemental oxygen may be indicated if patient has difficulty breathing. Assure mucous does not obstruct airway. Call physician immediately. Do not induce vomiting.
INGESTION: If swallowed, call a physician immediately. Do not induce vomiting.

B. ADDITIONAL INFORMATION: Note to physician: symptomatic treatment.

SECTION V**FIRE AND EXPLOSION DATA**

FLASH POINT:	NOT ESTABLISHED		
FLAMMABLE LIMITS:	NOT ESTABLISHED	LEL:	UEL:
EXTINGUISHER MEDIA:	Use any means suitable to fight surrounding fire.		
SPECIAL FIRE FIGHTING PROCEDURES:	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	NONE		

SECTION VI**ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: It is necessary to contain spill into the smallest area possible by diking, enclosing, etc.; replace liquid into plastic container. If liquid is absorbed onto dry carrier such as soil or absorbent material, then this material should be put in covered labeled containers and dispose of as a dry waste.

SECTION VII**HANDLING AND STORAGE**

Keep containers closed and away from oxidizing agents. Store only in shipping container: Bulk material can be stored in polyethylene, aluminum or stainless steel tanks.

SECTION VIII**SPECIAL PROTECTION / CONTROL MEASURES**

RESPIRATORY PROTECTION: Not specifically required. Use of a NIOSH/ OSHA approved respirator is suggested.

VENTILATION: Provide general or local exhaust ventilation.

PROTECTIVE GLOVES: Wear protective gloves and clothing impervious to this material.

WORK/ HYGIENIC PRACTICES: Wash hands thoroughly after using product.

SECTION IX**PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT:	220°F (104°C)	VAPOR PRESSURE (mm/ Hg):	<1mm @ 68°F (20°C)
MELTING POINT:	N/ A	VAPOR DENSITY (air = 1):	2.1
SPECIFIC GRAVITY:	1.168	REACTIVITY IN WATER:	N/ A
SOLUBILITY IN WATER:	100%	EVAPORATION RATE:	0.1
APPEARANCE AND ODOR:	Dark brown solution, characteristic mild odor.		
PERCENT VOLATILE BY VOLUME:	N/ A		

SECTION X**PHYSICAL HAZARDS (REACTIVITY DATA)**

STABILITY:	Stable: Yes	Unstable:
CONDITIONS TO AVOID:	Stable under normal conditions.	
INCOMPATIBILITY, MATERIALS TO AVOID:	Strong oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Sulfur dioxide, carbon dioxide.	
MAY OCCUR:	WILL NOT OCCUR: X	

SECTION XI**TOXICOLOGICAL INFORMATION**

- A. **TOXICITY DATA:**
- B. **CARCINOGENICITY:**
- C. **MUTAGENICITY:**
- D. **REPRODUCTIVE TOXICITY:**

SECTION XII**ENVIRONMENTAL EFFECTS DATA**

This product may be toxic to fish, keep out of lakes, streams, or ponds. Otherwise, the available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer (see above under Waste Disposal Methods). Due to its nutrient value, may contribute to eutrophication in bodies of water.

SECTION XIII**DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS: Follow all applicable federal, state and local regulations regarding liquid fertilizers.

SECTION XIV**TRANSPORTATION DATA**

PROPER SHIPPING NAME: Not Applicable (WHITE LABEL™ COPPER)
DOT HAZARD CLASS: Non- Regulated Material; Non- Hazardous Material
PLACARD: N/ A