

SAFETY DATA SHEET

WHITE LABEL COPPER

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830; US OSHA HCS 2015; and Canadian WHMIS 2015.

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** Z-WLCU
Product Name: WHITE LABEL COPPER
Trade Name: WHITE LABEL COPPER
Synonyms: Chelated micronutrient solution
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant identified uses: For agricultural use only
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- | | | |
|--------------------------|--|---|
| Company Name: | Stoller
9090 Katy Freeway
Suite 400
Houston, TX 77024 | Phone Number:
1 (713)461-1493 |
| | United States of America | |
| Web site address: | www.stollerusa.com | |
| Email address: | compliance@stollerusa.com | |
| Information: | | 1 (800)539-5283 |
- 1.4 Emergency telephone number:**
- | | | |
|---------------------------|-------------------------------------|------------------|
| Emergency Contact: | CHEMTREC, In the US and Canada call | 1 (800)424-9300 |
| | CHEMTREC, From other countries call | +1 (703)527-3887 |

Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
Serious Eye Damage/Eye Irritation, Category 2B
Acute Toxicity: Oral, Category 4
Acute Toxicity: Inhalation, Category 5
Aquatic Toxicity (Chronic), Category 4

2.2 Label Elements:



GHS Signal Word: **Warning**

Hazard-determining components of labelling:

Copper(II) sulfate

GHS Hazard Phrases:

H302 - Harmful if swallowed.

H320 - Causes eye irritation.

H333 - May be harmful if inhaled.

H413 - May cause long lasting harmful effects to aquatic life.

GHS Precautionary Phrases:

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330 - Rinse mouth.

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P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents/container to treatment at a permitted facility or as advised by your local regulatory authority.

UFI:

2.3 Adverse Human Health Acute: Depending on the duration of contact, overexposure can irritate the eyes, skin, **Effects and Symptoms:** mucous membranes and any other exposed tissue.

Chronic: Expected toxicity hazard: slight

NOTE: Copper is not metabolized by people affected by Wilson's disease, so it may accumulate in various tissues and result in severe organ damage.

2.3.1 Inhalation: Prolonged exposure to low concentrations of vapors may cause sore throat, headache, nausea, dizziness and even unconsciousness.

2.3.2 Skin Contact: May cause discomfort, skin irritation or rash unless treated promptly.

2.3.3 Eye Contact: Contact with product may cause redness, slight to severe eye irritation.

2.3.4 Ingestion: May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
7758-99-8 GL8900000	Copper(II) sulfate 01-2119520566-40	<25.0 %	231-847-6 029-023-00-4	Acute Tox.(O) 4: H302 Skin Corr. 2: H315 Eye Damage 2A: H319 Eye Damage 2B: H320 Skin Sens. 1: H317 Mutagen 2: H341 Toxic Repro. 2: H361 STOT (SE) 1: H370 STOT (RE) 1: H372 STOT (RE) 2: H373 Aquatic (A) 1: H400 Aquatic (C) 1: H410
68512-34-5 NA	Lignosulfonic acid, sodium salt, sulfomethylated	<15.0 %	NA NA	No GHS classifications apply.

Section 4. First Aid Measures

4.1 Description of First Aid Measures: Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. Always bring with victim a copy of label and SDS of product to health professional.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if irritation develops or persists.

In Case of Skin Contact: Wipe off product and immediately wash affected area with plenty of soap and water. Remove contaminated clothing, taking care not to impregnate eyes. Seek medical attention if irritation occurs.

In Case of Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid if irritation or symptoms occur.

In Case of Ingestion: Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and be induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.

Note for the Doctor: Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.
- Media:**
- Unsuitable Extinguishing Media:** None known.
- 5.2 Flammable Properties and Hazards:** Toxic fumes under fire conditions, such as SH₂, SO, SO₂, CO, CO₂, etc.
- Hazardous Combustion Products:** None known.
- Flash Pt:** N.A.
- Explosive Limits:** LEL: N.A. UEL: N.A.
- Autoignition Pt:** N.A.
- 5.3 Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** In case of a large spill, clear the affected area and protect people. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and rubber boots, goggles or full face-shield and coveralls.
- 6.2 Environmental Precautions:** Do not allow to enter drains or waterways.
- 6.3 Methods and Material For Containment and Cleaning Up:** It is necessary to contain the spill into the smallest area possible by diking, scooping, etc., and place liquid into an appropriate container, labeling it accordingly. If product is clean, use it as intended, following original label directions; should it get dirty or contaminated, salvage for proper disposal as waste. Absorb residual product onto dry carrier such as dirt, sand or any other absorbent material, then put in covered, labeled containers and dispose of as dry waste in accordance with Federal, State and Local waste disposal regulations.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Use with adequate ventilation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, or clothing. Avoid ingestion and inhalation. Use only in a well-ventilated area. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers.
- 7.2 Precautions To Be Taken in Storing:** Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep containers tightly closed when not in use. Store in a cool, dry place, away from direct sunlight, sources of intense heat or where freezing is possible. Store away from food, feed, clothing materials and living quarters. Whenever possible, place chemicals on secondary containers or diked area.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
7758-99-8	Copper(II) sulfate	ACGIH TLV	TLV: 1 mg/m ³ as Cu	

Derived No-Effect Levels / Predicted No Effect Concentrations:

Recommended Exposure Limits: No occupational exposure limits have been established for this mixture.

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath and washing facilities should be readily available.

8.2.2 Personal protection equipment:

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Other Protective Clothing: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear long sleeve shirt, long pants, and protective shoes with socks.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove all dirty or contaminated clothing and wash it before reusing, as well as any other PPE.

8.2.3 Environmental Exposure Controls: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash water.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Opaque, dark brown color. Pleasant, characteristic odor.
pH:	2.0 - 4.0
Freezing Point:	No data.
Boiling Point:	No data.
Flash Pt:	N.A.
Evaporation Rate:	No data.
Saturated Vapor Concentration:	N.E.
Flammability (solid, gas):	Product is non-flammable.
Explosive Limits:	LEL: N.A. UEL: N.A.
Vapor Pressure (vs. Air or mm Hg):	N.E.
Vapor Density (vs. Air = 1):	N.E.
Specific Gravity (Water = 1):	1.19 - 1.23
Density:	~ 1.2104 G/ML
Solubility in Water:	No data.
Octanol/Water Partition Coefficient:	N.E.
Autoignition Pt:	N.A.
Decomposition Temperature:	No data.
Viscosity:	N.E.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.

9.2 Other Information

Percent Volatile: N.A.

Section 10. Stability and Reactivity

10.1 Reactivity:	N.A.
10.2 Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
10.3 Conditions To Avoid - Hazardous Reactions:	None known.
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
10.4 Conditions To Avoid - Instability:	Stable under normal condition, but avoid extreme heat and contact with incompatible materials.
10.5 Incompatibility - Materials To Avoid:	Strong oxidizing agents, silicon based products.
10.6 Hazardous Decomposition or Byproducts:	Toxic fumes under fire conditions, like SH ₂ , SO, SO ₂ , CO, CO ₂ , etc.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects:	Mutagenicity: This product has not been investigated for mutagenic effects. Embryotoxicity: This product has not been investigated for embryotoxic effects. Teratogenicity: This product has not been investigated for teratogenic effects. Reproductive Toxicity: This product has not been investigated for toxic reproductive effects. CAS# 7758-99-8: Acute toxicity, LD50, Oral, Rat, 300.0 MG/KG. Result: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Change in motor activity (specific assay). Behavioral: Antipsychotic. ; "Agricultural Chemicals," 1976/77 revision, Thomson, W.T., 4 vols., Thomson Publications, Fresno, CA, Vol/p/yr: 2,182, 1977
Irritation or Corrosion:	No data available.
Symptoms related to Toxicological Characteristics:	No data available.
Sensitization:	The sensitizing properties of this product have not been thoroughly investigated.
Chronic Toxicological Effects:	The toxicological properties of this material have not been fully investigated.
Carcinogenicity/Other Information:	The carcinogenic properties of this product have not been thoroughly investigated.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

Section 12. Ecological Information

12.1 Toxicity:	The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at eliminating environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Section 6 "Accidental Release Measures." May be toxic to fish due to its copper component. To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section 15. If the word "YES" is marked next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.
12.2 Persistence and Degradability:	No data available.
12.3 Bioaccumulative Potential:	No data available.
12.4 Mobility in Soil:	No data available.
12.5 Results of PBT and vPvB assessment:	No data available.
12.6 Other adverse effects:	No data available.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority. Avoid contaminating water by disposal of equipment wash waters or other product wastes.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14. Transport Information

14.1 LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:

UN Number:

Hazard Class:

TDG Classification:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:

UN Number:

Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
(Contains Cupric Sulfate) CLASS 9, PG III, Marine Pollutant.

UN Number:

Packing Group:

Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated. Trade Name: WHITE LABEL COPPER

UN Number:

Packing Group:

Hazard Class:

Additional Transport

Information:

DOT:

Not regulated by DOT (49CFR §171.4) in containers less than 5.3 gallons. Containers 5.3 gallons (20 L) and larger reach the threshold limit for Reportable Quantity (RQ) of 10lb for Cupric Sulfate. Trade Name: WHITE LABEL COPPER

IATA:

For packages less than 5.3 gallons (20 L): Not Regulated. Trade Name: WHITE LABEL COPPER

Placards / Markings: Miscellaneous (3082) and Marine Pollutant

Emergency Response Guide Number: 171

Section 15. Regulatory Information

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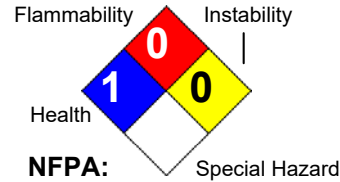
Revision: 07/21/2020
Supersedes Revision: 07/01/2020

Regulatory Information: TSCA Inventory: In compliance with inventory requirements for commercial purposes.
Regulatory Information Statement:

Section 16. Other Information

Revision Date: 07/21/2020

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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