

SAFETY DATA SHEET

KEYLATE COPPER

1. Product and Company Identification

Product Code: Z-KEYCU
Product Name: KEYLATE COPPER
Trade Name: KEYLATE COPPER
Company Name: Stoller
9090 Katy Freeway
Suite 400
Houston, TX 77024
Phone Number:
1 (713)461-1493
Web site address: www.stollerusa.com
Email address: compliance@stollerusa.com
Emergency Contact: CHEMTREC, In the US and Canada call 1 (800)424-9300
CHEMTREC, From other countries call +1 (703)527-3887
Information: 1 (800)539-5283
Intended Use: For agricultural use only
Synonyms: Chelated micronutrient solution

2. Hazards Identification

Acute Toxicity: Inhalation, Category 5
Serious Eye Damage/Eye Irritation, Category 2B
Acute Toxicity: Skin, Category 5
Acute Toxicity: Oral, Category 4
Aquatic Toxicity (Acute), Category 1
Aquatic Toxicity (Chronic), Category 1



GHS Signal Word: **Warning**
GHS Hazard Phrases: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H320 - Causes eye irritation.
H333 - May be harmful if inhaled.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
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.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P337+313 - If eye irritation persists, get medical advice/attention.
P391 - Collect spillage.
GHS Storage and Disposal Phrases: P501 - Dispose of contents/container to permitted waste facility.

SAFETY DATA SHEET

KEYLATE COPPER

Potential Health Effects (Acute and Chronic):	Hazards not otherwise classified (HNOC) or not covered by GHS: None.
Inhalation:	May be harmful if inhaled.
Skin Contact:	May be harmful if absorbed through skin.
Eye Contact:	May cause irritation.
Ingestion:	May cause gastric disturbance, discomfort, diarrhea.

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
2222021-26-1	Copper EAHP	<40.0 %	NA

4. First Aid Measures

Emergency and First Aid Procedures:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
In Case of Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact:	Wash off with soap and plenty of water. Take victim immediately to hospital.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed:	No data available.

5. Fire Fighting Measures

Flash Pt:	NA
Explosive Limits:	LEL: N.A. UEL: N.A.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary. Further information: No data available.
Flammable Properties and Hazards:	Sulfur oxides.
Hazardous Combustion Products:	No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental Precautions:	If spilling or leakage occurs, contain and clean if safe to do so. Prevent from reaching drains, sewer, or waterways. Do not let product enter drains. Discharge into the environment must be avoided.
Steps To Be Taken In Case Material Is Released Or Spilled:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SAFETY DATA SHEET

KEYLATE COPPER

7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Air sensitive. Handle and store under inert gas. Storage class 510) Non-Combustible.
Other Precautions:	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
2222021-26-1	Copper EAHP	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection:	Face shield and safety glasses.
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. Full contact. Material: Nitrile rubber Minimum layer thickness: 0.11 mm. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Other Protective Clothing:	Complete suit protecting against chemicals.
Engineering Controls (Ventilation etc.):	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Environmental Exposure Controls:	If spilling or leakage occurs, contain and clean if safe to do so. Prevent from reaching drains, sewer, or waterways. Do not let product enter drains. Discharge into the environment must be avoided.

SAFETY DATA SHEET

KEYLATE COPPER

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Dark blue color. Liquid. Proprietary odor.
pH:	8.0 - 10.0 N.D.
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	NA
Evaporation Rate:	N.E.
Flammability (solid, gas):	No data available.
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):	1.17 - 1.21 N.E.
Density:	~ 9.9 LB/GA N.E.
Solubility in Water:	Soluble
Saturated Vapor Concentration:	N.E.
Octanol/Water Partition Coefficient:	N.E.
Percent Volatile:	N.A.
Autoignition Pt:	No data.
Decomposition Temperature:	N.E.
Viscosity:	N.E.

10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Exposure to moisture.
Incompatibility - Materials To Avoid:	Powdered metals, Anhydrous copper (II) sulfate, Reacts violently with 1, hydroxylamine, magnesium.
Hazardous Decomposition or Byproducts:	No data available. In the event of fire: see section 5.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

SAFETY DATA SHEET

KEYLATE COPPER

Revision: 03/24/2021
Supersedes Revision: 02/22/2021

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, liquid, n.o.s. (Contains cupric sulfate) RQ.

UN Number: 3082

Packing Group: III

Hazard Class: 9 - CLASS 9

IMDG EMS Page:

IMDG MFAG Number:

Marine Pollutant: Yes

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (Contains Cupric Sulfate)

UN Number: 3082

Packing Group: III

Hazard Class: 9 - CLASS 9

15. Regulatory Information

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

16. Other Information

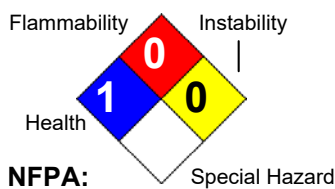
Revision Date: 03/24/2021

Previous revision: 02/22/2021

Hazard Rating System:

HEALTH		1
FLAMMABILITY		0
REACTIVITY		0
PPE		

HMIS:



Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

Stoller believes the information contained in this Safety Data Sheet is accurate based on the information provided by reputable suppliers of our raw materials. However, Stoller does not guarantee their accuracy or completeness. The information contained herein is furnished without warranty of any kind, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for any particular purpose. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Stoller assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.