



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Trade Name (as labeled): Monty's® Copper
Common Name: Liquid Fertilizer
Distributed By: Monty's® Plant Food Co.
4800 Strawberry Lane
Louisville, KY 40209

Business Phone: Monty's® Plant Food Co. – (800) 978-6342

Date of Preparation: December 18, 2019

Updated: December 19, 2019

SECTION 2. HAZARD IDENTIFICATION

Appearance Clear dark blue liquid **Physical state** Liquid **Odor** Slight ammonia

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazardous Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
EDTA, Diammonium Copper Salt	5443-03-1	5-10

SECTION 4. FIRST-AID MEASURES

<u>General Advice:</u>	Provide this SDS to medical personnel for treatment.
<u>If Inhaled:</u>	Remove to fresh air. If breathing becomes difficult, contact a medical physician. Give artificial respiration if victim is not breathing and obtain immediate medical attention.
<u>If Ingested:</u>	Call physician or Poison Control Center immediately for most current information. Dilute with large amounts of water. Do not induce vomiting unless directed to do so by a medical professional. Never induce vomiting or give

	diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If vomiting occurs, keep head lower than hips to prevent introduction of fluid into the lungs.
<u>In Case Of Skin Contact:</u>	Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if skin becomes irritated.
<u>In Case Of Eye Contact:</u>	Flush immediately with water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Call a physician if eye irritation persists.
Victims of chemical exposure and all rescuers must be taken for medical attention. Take a copy of label and SDS to physician or health professional with victim.	

Most important symptoms and effects, both acute and delayed

Symptoms: May cause eye and skin irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point:	Not flammable.
Test Method:	Not flammable.
LEL Flammable Limits:	Not flammable.
UEL Flammable Limits:	Not flammable.
Autoignition Temperature:	Not flammable.
Extinguishing Media:	Water spray, Foam, Carbon Dioxide, Dry-Chemical.
Unusual Fire and Explosion Hazards:	Avoid high temperatures that may cause thermal decomposition or explosion, especially in confined or poorly ventilated spaces. .
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus (SCBA) and goggles. Avoid exposure to smoke or fumes. Contain any liquid runoff.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill And Leak Response: For small or incidental spills, the minimum personal protective equipment should be rubber gloves, rubber apron, and chemical goggles. Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. Respirators with ammonia canisters or SCBA gear may be required. For large spills, contain by diking with soil or other non-combustible absorbent material. Dilution with water will reduce the release of ammonia vapors. Keep material out of sewers, storm drains, and surface waters. Comply with all applicable government regulations on spill reporting, handling, and waste disposal.

SECTION 7. STORAGE AND HANDLING

Storage Practices:

Store in a cool (above 32°F), dry, well-ventilated area. This product should be stored in tanks constructed of stainless steel, fiberglass, polypropylene, or polyethylene. Valves should be inspected on a regular basis and replaced as needed to prevent leakage. Transfer equipment should be constructed of stainless steel or chemical-resistant plastic. Do not store in aluminum vessels.

Handling Practices:

Keep away from incompatible materials. Do not breathe mists. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Wash with soap and water after handling.

Work/Hygiene Practices:

Avoid getting chemicals ON YOU or IN YOU. Wash hands with soap and water after handling chemicals. Do not eat or drink around or while handling chemicals. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Chemical Name	Exposure Limits In Air	
	ACGIH TVL (ppm)	OSHA PEL (ppm)
Copper Diammonium Ethylenediaminetetraacetate (Cu (NH ₄) ₂ EDTA)	NA	NA
NE = Not Established		NA = Not Available

Ventilation/Engineering Controls: Use with adequate ventilation to keep airborne levels below recommended exposure limits.

Respiratory Protection: If work conditions generate vapors or mist, wear a NIOSH approved respirator appropriate for those emission levels. Appropriate respirator may be a full facepiece respirator, an SCBA in the pressure demand mode, or a supplied-air respirator.

Eye Protection: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury.

Hand Protection: Rubber gloves with gauntlets.

Body Protection: Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable.

Other Protective Measures: An eyewash and safety shower should be nearby and ready for use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear, dark blue liquid	<u>Boiling Point:</u>	100 °C / 212 °F.
<u>Odor:</u>	Slight ammonia odor	<u>Freezing Point:</u>	Not determined
<u>pH:</u>	6.5-7.0	<u>Vapor Pressure:</u>	Not determined
<u>Water Solubility:</u>	100%.	<u>Vapor Density (air = 1):</u>	Not determined
<u>Density:</u>	1.25 g/ml	NA = Not Available.	
<u>Specific Gravity (H₂O = 1)</u>	1.27		

SECTION 10. STABILITY AND REACTIVITY

<u>Stability:</u>	Stable under normal conditions and pressure.
<u>Conditions To Avoid:</u>	High temperatures.
<u>Hazardous Decomposition Products:</u>	Ammonia & carbon dioxide. Possible carbon monoxide, sulfur dioxide, hydrocarbon & nitrous oxides.
<u>Incompatibility:</u>	Strong acids.
<u>Hazardous Polymerization:</u>	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

<u>Toxicity Data:</u>	Not Available
<u>Acute Effects:</u>	
<u>Eyes:</u>	Moderate irritant. May cause redness, burning, inflammation, and/or damage.
<u>Skin:</u>	Moderate irritant, especially with prolonged exposure. May cause skin ulceration and/or burns.
<u>Ingestion:</u>	May cause severe gastrointestinal irritation, vomiting, stomach cramps, and diarrhea. May interfere with circulation and oxygen carrying capacity of blood with prolonged exposure.
<u>Inhalation:</u>	May cause irritation to mucous membranes, coughing, or breathing difficulties. If exposed to decomposition gases remove from area immediately.
<u>Chronic Effects:</u>	Repeated overexposure may cause dermatitis, conjunctivitis or cataracts.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Not available.

Persistence/Degradability

Not determined.

Bioaccumulation

There is not data for this product.

Mobility

Not determined

Other Adverse Effects

Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Do not contaminate lakes, streams, ponds, estuaries, oceans, or other waters by discharge of waste effluents or equipment rinsate. Dispose of waste effluents according to federal, state, and local regulations. Chemical additions or other alterations of this product may invalidate any disposal information in this SDS.

SECTION 14. TRANSPORTATION INFORMATION

Not DOT, IATA or IMDG regulated.

Other shipping information: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Fertilizing Compounds (Manufactured), Liquid, NMFC Item 68140 Sub 6, LTL Class 70

SECTION 15. REGULATORY INFORMATION

International Inventories: All ingredients are listed or exempt from listing on Chemical Substance Inventory.

US Federal Regulations:

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: This product does not contain any substances regulated under applicable state right-to-know regulations.

SECTION 16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	1	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	1	H

The information and recommendations herein are taken from data contained in independent, industry recognized references including NIOSH, OSHA, ANSI, and NFPA. This information is, as of date listed above, true and accurate to the best of Monty's® Plant Food Co. knowledge. It is intended for use by persons possessing technical knowledge and at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by Monty's® Plant Food Co. in conjunction with the use of this information. Actual conditions of use and handling may require consideration of information other than, or in addition to, that which is provided herein.

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