

Issue Date 22-Aug-2019

Revision Date: 28-Apr-2020

Version 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 999 LINE MINER

Other means of identification

SDS # UNITED-999

Recommended use of the chemical and restrictions on use

Recommended Use Foaming Sewer Line Maintainer

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address

United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute Toxicity – Oral	Category 4
Serious eye damage/Eye irritant	Category 1
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1

Label elements

Signal word DANGER

Hazard statements

Harmful if swallowed. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.



Appearance Pourable, foaming blue liquid

Physical State Liquid

Odor Bland scent

Emergency Overview

Precautionary Statements - Prevention

Wash exposed area thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment.

Precautionary Statements - Response

If swallowed: Rinse mouth. Do not induce vomiting. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing. Immediately call a poison center/physician/doctor. Collect spillage.

Precautionary Statements - Disposal

Dispose of contents/container to comply with local, state, and federal regulations.

Precautionary Statements - Storage

Store according to local rules and regulations.

Other Information

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight%
Copper Sulfate	7758-99-8	15-25

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse eyes gently with water for at least 15 minutes while holding eyelids apart. Remove contact lenses, if present and easy to do – continue rinsing. Irritation persists: seek immediate medical attention.
Skin Contact	Remove contaminated clothing. Wash exposed area with water. If symptoms persist, seek medical attention. Wash contaminated clothing before reuse.
Inhalation	Remove the victim into fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: Seek immediate medical attention.
Ingestion	Do not induce vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. If possible, do not leave individual unattended. Seek immediate medical attention.

Most important symptoms and effects

Symptoms	No information available.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire. Water may be used to cool fire-exposed containers.

Specific Hazards Arising from the Chemical

When involved in a fire, this material may produce irritating vapors, smoke and/or toxic gases (Sulfur Oxides).

Protective equipment and precautions for firefighters

Use standard firefighting procedures and consider the hazards of other involved materials. Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear appropriate personal protective equipment. Immediately evacuate personnel to safe areas.
Environmental Precautions	Prevent contamination of soil, drains or surface water, use appropriate containment method to avoid environmental contamination. Any release to the environment may be subject to federal/national or local reporting requirements.

Methods and material for containment and cleaning up

Methods for Clean-Up

Absorb liquid with sand or other noncombustible absorbent material. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. Move containers from spill area. Contaminated absorbent material may pose the same hazard as the spilled product. Place collected spill into suitable containers for disposal. Wash clothing and equipment after handling.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Avoid all personal contact, including inhalation. Keep away from sources of ignition - No smoking. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Clean contaminated clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Comply with applicable regulations. Store in original, tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatible materials. Keep containers tightly closed and upright when not in use. Protect against physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	ACGIH	OSHA	NIOSH REL
Copper Sulfate (7758-99-8)	Not applicable	Not applicable	1 mg/m ³ (Copper TWA)

Appropriate engineering controls

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to keep exposure to airborne contaminants below the exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Skin and Body Protection

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

Respiratory Protection

If exposure limits are exceeded, NIOSH approved respiratory protection should be worn. A NIOSH approved respirator for organic vapors is generally acceptable for concentrations up to 10 times the PEL. For higher concentrations, unknown concentrations and for oxygen deficient atmospheres, use a NIOSH approved air-supplied respirator. Engineering controls are the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.

Additional Measures

Ensure that the eyewash station and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Bland odor
Appearance	Pourable, foaming blue liquid	Odor Threshold	Not determined
Color	Blue		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	3.5 – 4.5	Concentration: 10% (as aqueous solution)	
Melting Point/Freezing Point	Not applicable		
Boiling Point/Boiling Range	Not applicable		
Flash Point	Not-flammable		
Evaporation Rate	Not applicable		
Flammability (Solid, Gas)	Not applicable		
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	Not applicable		
Vapor Density	Not applicable		
Specific Gravity	Not applicable		
Water Solubility	Soluble (in water)		
Solubility in other solvents	Not applicable		
Partition Coefficient	Not applicable		
Auto ignition Temperature	Not applicable		
Decomposition Temperature	Not applicable		
Kinematic Viscosity	Not determined		
<u>Property</u>	<u>Values</u>		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content	Not determined		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to Avoid

Extreme temperatures.

Incompatible Materials

Strong acids. Strong bases.

Hazardous Decomposition Products

Sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Copper Sulfate 7758-98-7	482mg/kg (Rat)	>2000mg/kg (Rabbit)	Not applicable

Information on likely routes of exposure

Inhalation, ingestion, skin and/or eye contact.

Product Information

Eye Contact

Causes serious eye damage. Symptoms included eye burns, pain, watering eyes and redness.

Skin Contact	May cause skin irritation. Symptoms include redness, irritation, itching and pain. Prolonged or repeated skin exposure may cause dermatitis.
Inhalation	May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
Ingestion	Harmful if swallowed. Symptoms may include nausea and vomiting.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classified.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Copper Sulfate is toxic to aquatic life with long lasting effects.

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

Other Adverse Effects

Avoid release into the environment.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Product should be disposed in an environmentally safe manner in accordance with local, state and federal regulations.

Uncleaned Packaging 'Empty' containers retain residue (liquid and/or vapor) and may be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. 'Empty' drums should be completely drained, properly bunged and should be disposed of in an environmentally safe manner and in accordance with local, state and governmental regulations. For work on tanks, please refer to Occupational Safety and Health Administration regulations. ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other governmental and industrial contemplated operations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Shipping in 1gallon containers or smaller under DOT: Consumer Commodity ORM-D.

DOT

UN/ID No	UN 3082
Proper Shipping Name	(Cupric Sulfate) RQ, Environmentally Hazardous Substance Liquid, N.O.S.
Hazard Class	8
Packing Group	III
Marine Pollutant	Yes
Reportable Quantity	Not applicable

IATA

UN/ID No	Not Determined.
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IMDG

UN/ID No	Not Determined.
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15. REGULATORY INFORMATION

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200.

Federal Regulations

COMPONENT (CAS NUMBER): COPPER SULFATE (7758-99-8)

TSCA 5a: ... No substances are subject to a Significant New Use Rule.

TSCA 12b: ... No substances are subject to TSCA 12(b) export notification requirements.

TSCA STATUS - All components in this product are on the TSCA Inventory.

CERCLA Reportable Quantity: 10 lbs.

SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material does not contain any components with a Section 304 EHS RQ.

SARA 311/312 Hazards

Acute (Immediate) Health Hazard.

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313: Copper (II) sulfate pentahydrate (7758-99-8)

US STATE REGULATIONS

Massachusetts Right-To-Know - Copper (II) Sulfate Pentahydrate 7758-99-8 80 - 100 %

Pennsylvania Right-To-Know - Copper (II) Sulfate Pentahydrate 7758-99-8 80 - 100 %

New Jersey Right-To-Know - Copper (II) Sulfate Pentahydrate 7758-99-8 80 - 100 %

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Reactivity	Special Hazards
	-	-	-	-
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
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Revision Note Regulatory update - Revised

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet