

Issue Date 10-Feb-2015

Revision Date: 14-Jul-2015

Version 2

1. 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
www.unitedlabsinc.ca

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 – Aquatic	Category 1
Acute Toxicity – Oral	Category 3
Chronic Aquatic Toxicity	Category 1
Acute Toxicity – Dermal	Category 5
Skin irritant	Category 2
Serious eye damage/Eye irritant	Category 2A

Label elements

Signal word DANGER

Hazard statements

Toxic if swallowed.
May be harmful in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
Very toxic to aquatic life.
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: Immediately call a poison center or doctor/physician.
In in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Rinse mouth.
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.
Store locked up.

Hazards not otherwise classified (HNOC)

None known

Other Information

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight%
Copper Sulfate	7758-99-8	23-27

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. Respiratory problems: seek immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting! Immediately after ingestion: give lots of water to drink. If individual is drowsy or unconscious, do not give anything by mouth. 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

Foam. Dry powder. Carbon dioxide. Sand. Water may be used to cool fire-exposed containers.

Specific Hazards Arising from the Chemical

Reacts on exposure to water (moisture) with (some) metals. On burning: release of toxic and corrosive gases/vapors (sulfur oxides) and formation of metallic fumes. Reacts exothermically with (some) compounds: (increased) risk of fire. Reacts violently with (strong) reducers.

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 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.

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. Prevent dust cloud formation. Move containers from spill area. Contaminated absorbent material may pose the same hazard as the spilled product. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Avoid raising dust. Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

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
Copper Sulfate CAS# 7758-99-8	Not applicable	Not applicable

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

Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. A safety shower should be located in the work area.

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	4.0 (3.2 %)	
Melting Point/Freezing Point	110°C (230°F)	Literary Reference
Boiling Point/Boiling Range	Not determined	
Flash Point	Non-Inflammable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	Not determined	(1=Water)
Water Solubility	Soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</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 storage conditions.

Possibility of Hazardous Reactions

Reacts on exposure to water (moisture) with (some) metals. On burning: release of toxic and corrosive gases/vapors (sulfur oxides) and formation of metallic fumes. Reacts exothermically with (some) compounds: (increased) risk of fire. Reacts violently with (strong) reducers.

Conditions to Avoid

Direct sunlight, extreme high or low temperatures.

Incompatible Materials

Strong acids. Strong bases.

Hazardous Decomposition Products

Fume. Sulfur compounds.

11. TOXICOLOGICAL INFORMATION**Product Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Copper Sulfate 7758-98-7	300mg/kg (Rat)	>2000mg/kg (Rabbit)	-

Information on likely routes of exposure

Inhalation, ingestion, skin and/or eye contact.

Product Information

Eye Contact May cause eye irritation. Symptoms include eye burning, pain, watering eyes.

Skin Contact Contact causes redness, irritation, itching and pain. Prolonged or repeated skin exposure may cause dermatitis.

Inhalation Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache or nausea.

Ingestion Irritation of the oral mucous membranes. Nausea. Vomiting. Headache. Dizziness. Feeling of weakness. After absorption of high quantities: Abdominal pain. Diarrhoea. Change in the haemogramme/blood composition. Change in urine composition. Disturbances of consciousness.

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**

Toxic to aquatic life with long lasting effects.

Persistence/Degradability

Not determined

Bioaccumulation

Bioaccumable

Mobility in Soil

Toxic to flora.

Other Adverse Effects

Avoid release into the environment.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and 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 1 gallon containers or smaller under DOT: Consumer Commodity ORM-D.

DOT

UN/ID No	UN 3077
Proper Shipping Name	Environmentally Hazardous Substances, Liquid, N.O.S. (Copper (II) Sulfate Pentahydrate)
Hazard Class	9
Packing Group	III
Reportable Quantity	10 LB

IATA

UN/ID No Not Determined.

IMDG

UN/ID No	UN3077
Proper Shipping Name	Environmentally Hazardous Substances, Liquid, N.O.S. (Copper (II) Sulfate Pentahydrate)
Hazard Class	9
Packing Group	III
Marine Pollutant	Yes

15. REGULATORY INFORMATION

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

International Inventories

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

SARA 313

Listed on SARA Section 313 (specific toxic chemical listing).

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 New format

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