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 – 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Sulfate</td>
<td>7758-99-8</td>
<td>23-27</td>
</tr>
</tbody>
</table>
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.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**
Treat symptomatically.

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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Sulfate CAS# 7758-99-8</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Pourable, foaming blue liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
<td>Odor Bland odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
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<td></td>
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<tr>
<td>pH</td>
<td>4.0 (3.2 %)</td>
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<tr>
<td>Melting Point/Freezing Point</td>
<td>110°C (230°F)</td>
<td>Literary Reference</td>
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<tr>
<td>Boiling Point/Boiling Range</td>
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<td>Flash Point</td>
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<tr>
<td>Evaporation Rate</td>
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<td>Flammability (Solid, Gas)</td>
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<tr>
<td>Upper Flammability Limits</td>
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<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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</tr>
<tr>
<td>Specific Gravity</td>
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<td>(1=Water)</td>
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<tr>
<td>Water Solubility</td>
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<td></td>
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<tr>
<td>Solubility in other solvents</td>
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<tr>
<td>Partition Coefficient</td>
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<td></td>
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<tr>
<td>Auto ignition Temperature</td>
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<td></td>
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<tr>
<td>Decomposition Temperature</td>
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<td></td>
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<tr>
<td>Kinematic Viscosity</td>
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<tr>
<td>Dynamic Viscosity</td>
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<tr>
<td>Explosive Properties</td>
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<tr>
<td>Oxidizing Properties</td>
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<tr>
<td>VOC Content</td>
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</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
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<tr>
<td>Copper Sulfate</td>
<td>300mg/kg (Rat)</td>
<td>&gt;2000mg/kg (Rabbit)</td>
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<tr>
<td>7758-98-7</td>
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</table>

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

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
Bioaccumulative.

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

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>UN 3077</th>
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<tr>
<td>Proper Shipping Name</td>
<td>Environmentally Hazardous Substances, Liquid, N.O.S. (Copper (II) Sulfate Pentahydrate)</td>
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<td>Hazard Class</td>
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<tr>
<td>Packing Group</td>
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<td>Reportable Quantity</td>
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IATA

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IMDG

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<td>Hazard Class</td>
<td>9</td>
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<tr>
<td>Packing Group</td>
<td>III</td>
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<tr>
<td>Marine Pollutant</td>
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</table>

15. REGULATORY INFORMATION


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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Hazards</th>
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<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
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<tbody>
<tr>
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Issue Date: 14-Jul-2015
Revision Date: 22-Aug-2019
Revision Note: Format changes

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