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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** United 267 Brrr Foaming Chiller Coil Cleaner

### Other means of identification

**SDS #** UNITED-267

### Recommended use of the chemical and restrictions on use

**Recommended Use** Foaming Coil Cleaner.

**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 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear liquid

**Physical State** Liquid

**Odor** Mild

### Classification

|                           |             |
|---------------------------|-------------|
| Skin corrosion/irritation | Category 2  |
| Eye damage/eye irritation | Category 2B |
| Acute Toxic               | Category 4  |

### Signal Word

Warning

### Hazard Statements

Causes mild skin irritation. Causes eye irritation. Harmful if swallowed.



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

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 or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician for further treatment advice.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a doctor if you fell unwell.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, regional and national regulations.

**Other Hazards**

Harmful to aquatic life with long lasting effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                                    | CAS No   | Weight-% |
|--|----------|----------|
| 2-Butoxyethanol                                  | 111-76-2 | 0 - 5%   |
| Diethylene Glycol Monobutyl Ether                | 112-34-5 | 0 - 5%   |
| Ethylenediaminetetraacetic acid tetrasodium salt | 64-02-8  | 0 - 5%   |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\* These chemicals are listed because in their bulk form, they meet the OSHA definition of hazardous.

### 4. FIRST-AID MEASURES

**First Aid Measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Immediately flush with plenty of water for several minutes. After initial flushing, remove any contact lenses and continue flushing. Get immediate medical advice/attention.  |
| <b>Skin Contact</b> | Wash off immediately with plenty of water for at least several minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Continue rinsing with plenty of water. If skin irritation occurs get medical advice/attention. |
| <b>Inhalation</b>   | Remove to fresh air. If not breathing, give artificial respiration. If you feel unwell call a poison center or doctor/physician for further treatment advice.   |
| <b>Ingestion</b>    | Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician.   |

**Most important symptoms and effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Contact will cause irritation and redness to exposed areas. May cause irritation to the mucous membranes and upper respiratory tract. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. |
|-----------------|--|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Combustion products may be toxic.

**Hazardous Combustion Products** Nitrogen. Ammonia.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use cool water to cool equipment and to disperse vapors.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Contain and collect with an inert absorbent and place into an appropriate container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure that all containers are labeled in accordance with OSHA regulations. Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep closed containers from hard freezing as this could cause the drum to rupture. Do not contaminate food or feed stuffs.

**Incompatible Materials** Strong acids. Alkalis. Oxidizers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name                | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------------|-----------|----------|------------|
| 2-Butoxyethanol CAS 111-76-2 | 10 ppm    | -        | -          |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

- Skin and Body Protection**      Wear latex or neoprene gloves.
- Respiratory Protection**      Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

|                       |                |                       |                |
|-----------------------|----------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid         | <b>Odor</b>           | Mild           |
| <b>Appearance</b>     | Clear liquid   | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Not determined |                       |                |

  

| <u>Property</u>              | <u>Values</u>        | <u>Remarks • Method</u> |
|------------------------------|----------------------|-------------------------|
| pH                           | 11-12                |                         |
| Melting Point/Freezing Point | Not determined       |                         |
| Boiling Point/Boiling Range  | > 100 °C / >212 °F   |                         |
| Flash Point                  | > 93.9 °C / > 201 °F |                         |
| Evaporation Rate             | ~ 1                  |                         |
| Flammability (Solid, Gas)    | n/a-liquid           |                         |
| Upper Flammability Limits    | Not determined       |                         |
| Lower Flammability Limit     | Not determined       |                         |
| Vapor Pressure               | Not determined       |                         |
| Vapor Density                | Not determined       |                         |
| Specific Gravity             | 1                    | (Water = 1)             |
| Water Solubility             | Completely soluble   |                         |
| Solubility in other solvents | Not determined       |                         |
| Partition Coefficient        | Not determined       |                         |
| Auto-ignition Temperature    | Not determined       |                         |
| Decomposition Temperature    | Not determined       |                         |
| Kinematic Viscosity          | Not determined       |                         |
| Dynamic Viscosity            | Not determined       |                         |
| Explosive Properties         | Not determined       |                         |
| Oxidizing Properties         | Not determined       |                         |
| VOC                          | None                 |                         |

**10. STABILITY AND REACTIVITY**

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing. Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong acids. Alkalis. Oxidizers.

Hazardous Decomposition Products

Nitrogen oxides (NOx). Ammonia.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

**Product Information**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Causes moderate eye irritation.  |
| <b>Skin Contact</b> | May cause skin irritation.   |
| <b>Inhalation</b>   | When airborne exposure limits are exceeded - high vapor concentrations may be irritating to respiratory tract. |
| <b>Ingestion</b>    | Do not taste or swallow. Ingestion may cause gastrointestinal irritation and diarrhea.                         |

**Component Information**

| <b>Chemical Name</b>   | <b>Oral LD50</b>     | <b>Dermal LD50</b>      | <b>Inhalation LC50</b>  |
|--|----------------------|-------------------------|-------------------------|
| Diethylene Glycol Monobutyl Ether<br>112-34-5                  | = 3384 mg/kg ( Rat ) | = 2700 mg/kg ( Rabbit ) | -                       |
| Ethylenediaminetetraacetic acid<br>tetrasodium salt<br>64-02-8 | = 1780 g/kg ( Rat )  | -                       | >1-5 mg/l 4 hr<br>(Rat) |
| Trade Secret   | = 1378 mg/kg ( Rat ) | > 2 g/kg ( Rabbit )     | -                       |

**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** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not determined.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other Adverse Effects**

Not determined.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

**Marine Pollutant**

This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA**

Listed

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

**US Federal Regulations**

**SARA 313**

| Chemical Name                     | CAS No   | Weight-% | SARA 313 - Threshold Values % |
|-----------------------------------|----------|----------|-------------------------------|
| Diethylene Glycol Monobutyl Ether | 112-34-5 | 0 - 5    | 1.0                           |

**US State Regulations**

**California Proposition 65**

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

**U.S. State Right-to-Know Regulations**

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Diethylene Glycol Monobutyl Ether<br>112-34-5 | X          |               | X            |

**16. OTHER INFORMATION**

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | Not determined        | Not determined      | Not determined          | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                    | 1                     | 1                   | 0                       | N & P                      |

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**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**