1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name
United 584 WASTEWATER PLANT NITRIFYING BACTERIA

Other means of identification
SDS #
UNITED-584

Recommended use of the chemical and restrictions on use
Recommended Use
Wastewater plant nitrifying bacteria.
Uses Advised Against
For institutional and industrial 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
Slightly turbid liquid
Physical State
Liquid
Odor
Slight odor

Classification
This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard 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. Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Hazard Statements
None known.

Hazards not otherwise classified (HNOC)
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition
The product contains no substances which, at their given concentration, are considered to be hazardous to health.

4. FIRST-AID MEASURES

First Aid Measures
Eye Contact
Rinse cautiously opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing.
**Skin Contact**
Remove contaminated clothing and footwear. Wash material off the skin with soap and water. Wash clothing and footwear before reuse.

**Inhalation**
Normally not needed, however, supply fresh air if needed; consult doctor in case of complaints.

**Ingestion**
If swallowed and symptoms occur, clean mouth with water and afterwards drink plenty of water and consult a doctor.

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### Most important symptoms and effects

**No Symptoms**
No information available.

**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**
Carbon dioxide (CO₂), water spray and dry chemical.

**Unsuitable Extinguishing Media**
None

**Specific Hazards Arising from the Chemical**
None known.

**Protective equipment and precautions for firefighters**
Wear self contained breathing apparatus for fire fighting pressure-demand, and fully protective gear to prevent contact with skin and eyes.

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### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions**
Not required under normal use.

**Environmental Precautions**
Where possible, flush down drain to waste treatment sewer.

**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**
For small spills, use chemical absorbent material. For large spills, contain and collect. After cleaning, flush away any traces with water.
7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Keep this product in a properly labeled, tightly closed container. Avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110°F and keep from freezing. Ensure good ventilation. Wash hands thoroughly with soap and water after use.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls
Normally not required. Normal room ventilation and local exhaust generally adequate.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Safety goggles are recommended.

Skin and Body Protection
Not normally required.

Respiratory Protection
Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations
Not normally required.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Slightly turbid liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Opaque</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>5.0-9.5</td>
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<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
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<td></td>
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<tr>
<td>Boiling Point/Boiling Range</td>
<td>212°F/100°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1 (Water=1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
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</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>= to Water</td>
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<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>~1.00 (H2O=1)</td>
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</tr>
<tr>
<td>Water Solubility</td>
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</tr>
<tr>
<td>Solubility in other solvents</td>
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<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
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<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<td>Viscosity</td>
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<td>Explosive Properties</td>
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<td>Oxidizing Properties</td>
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<td>VOC Content</td>
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</table>

10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Stable under normal conditions. Excessive temperature variations below 32°F or above 155°F.

Incompatible Materials
Strong acids or alkali compounds may inactivate biological culture.

Hazardous Decomposition Products
None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact
May cause slight irritation.

Ingestion
No irritating effect. If more than a few ounces have been swallowed, may cause upset stomach.
Skin Contact
After prolonged and/or repeated contact may cause irritation to people with a history of dermal allergic reaction.

Inhalation
No irritating effect.

Information on physical, chemical and toxicological effects

Symptoms
This product when used and handled according to specifications does not have any harmful effects according to the experience and the information provided to us.

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

Carcinogenicity
Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity
None known.

Persistence/Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
Not known to be hazardous to water.

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

DOT
Not regulated.

IATA
Not regulated.

IMDG
Not regulated.
15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40CFR302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR355).

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 40 CFR Part 372.

SARA 311/312
Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

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

TSCA
None of the ingredients are listed.

California Proposition 65
None of the ingredients are listed.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
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<table>
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<tr>
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<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
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Revision Note: 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