



Safety Data Sheet

Issue Date: 06-Aug-2010

Revision Date: 12-Oct-2016

Version 2

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.

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.

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.

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

Physical State	Liquid	Odor	Slight odor
Appearance	Slightly turbid liquid	Odor Threshold	Not determined
Color	Opaque		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.0-9.5	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	212°F/100°C	
Flash Point	Not determined	
Evaporation Rate	1 (Water=1)	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	= to Water	
Specific Gravity	~1.00 (H2O=1)	
Water Solubility	99% Soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	0 %	

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

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	0	0	0	-
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	N

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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