



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

PRODUCT NAME
 UNITED 584

USE/DESCRIPTION
 Wastewater Plant Nitrifying Bacteria

REVISION DATE
 August 6, 2010

HMIS III HEALTH (0 = Maximum Safety) 1

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

4 Extremely flammable	1 Must be preheated to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

PERSONAL PROTECTION: N



2. COMPOSITION/INFORMATION ON INGREDIENTS

In accordance with Federal Regulation 29 CFR 1910.1200, all materials in this product are considered non-hazardous.

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation.

Skin: Slight redness on hands and forearms after repeated and/or prolonged contact with human skin. May irritate skin of people with a history of dermal allergic reactions.

Inhalation: None known.

Ingestion: No effect if ingested in small amounts. Although the live bacteria are not disease-causing strains, swallowing more than a few ounces may cause stomach upset.

4. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes and call a physician or poison center.

Skin: Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before reuse.

Inhalation: Not applicable.

Ingestion: DO NOT induce vomiting. Drink water or milk to dilute. Induce vomiting only if advised by physician or poison center.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: None known.

Fire and Explosion Hazards: None known.

Extinguishing Media: Water spray; Carbon dioxide; Dry chemical.

Fire Fighting Instructions: Firefighters should wear full protective equipment NIOSH-approved self-contained breathing apparatus. Use water mist to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Where possible, flush down drain to waste treatment sewer. For small spills, use chemical absorbent and sweep up.

Large Spills: Where possible, flush down drain to waste treatment sewer. For large spills, contain and collect.

7. HANDLING AND STORAGE

Keep this product in a properly labeled, tightly closed container. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110°F and keep from freezing. Prevent skin and eye contact. Wash hands thoroughly with soap and water after use. Avoid contact with eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles recommended.

Skin: Normally not required.

Respiratory: None required for recommended use. Avoid creating aerosols in poorly vented areas.

Engineering Controls: Normally not required. Normal room ventilation and local exhaust generally adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212°F/100°C **Specific Gravity:** ~1.00 (H₂O=1) **Vapor Pressure:** = to water **Melting Point:** ND

Vapor Density: = to water **Evaporation Rate:** 1 (Water=1) **Solubility in Water:** 99% **pH:** 5.0 – 9.5

Appearance and Odor: Slightly turbid liquid with slight odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: None known.

Chemical Stability: Stable

Incompatibility: Strong acids or alkali compounds may inactivate biological culture.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state, provincial and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): None

TSCA (Toxic Substances Control Act): ND

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: None

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

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