



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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

**PRODUCT NAME**  
 UNITED 955 DUO-ZYME™

**USE/DESCRIPTION**  
 Earth Smart® Enzyme Treatment for Drain System  
 Maintenance & All Purpose Cleaning in Food Service Areas

**REVISION DATE**  
 March 30, 2006

#### HEALTH (0 = Maximum Safety)

**0**

Always follow Label Directions and Cautions.

4 Extreme 3 High 2 Moderate 1 Slight 0 Minimal

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

#### FLAMMABILITY (0 = Maximum Safety)

**0**

Susceptibility of Material to Burning.

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

#### REACTIVITY (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.

#### PERSONAL PROTECTION



### 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:** Prolonged or repeated contact may cause irritation.

**Inhalation:** Mists of this product may irritate nasal passages.

**Ingestion:** Large quantities (more than a few ounces) may cause upset stomach, diarrhea, nausea, and vomiting.

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. Seek medical attention.

**Skin:** Wash with soap and plenty of water. If symptoms develop, seek medical attention.

**Inhalation:** Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** None

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

**Flame Projection (Aerosol):** NA

**Hazardous Products of Combustion:** When strongly heated, as in a fire, this product may produce nitrous oxides and ammoniacal vapors.

**Fire and Explosion Hazards:** None known

**Extinguishing Media:** Dry chemical; Dry foam; Carbon dioxide; Water

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Flush to sewage drain. This product may cause slippery conditions; rinse thoroughly.

**Large Spills:** Flush to sewage drain. This product may cause slippery conditions; rinse thoroughly.

## 7. HANDLING AND STORAGE

Keep this product in a properly labeled, tightly closed container. Do not allow this product to freeze.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses recommended

**Skin:** Chemical resistant gloves recommended for prolonged exposure.

**Respiratory:** Normally not required

**Engineering Controls:** Mechanical ventilation recommended when handling in enclosed/tight spaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212F/100C    **Specific Gravity:** 0.990 (H<sub>2</sub>O=1)    **Vapor Pressure:** 17.5mmHg    **Melting Point:** ND  
**Vapor Density:** ND    **Evaporation Rate:** 1 (Water=1)    **Solubility in Water:** Soluble    **pH:** 7-8  
**Appearance and Odor:** Colorless liquid unscented

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** NA

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce nitrous oxides and ammoniacal vapors.

**Chemical Stability:** Stable

**Incompatibility:** Oxidizers such as bleach

## 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

This product is biodegradable. Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state 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):** Listed

**SARA Title III Section 302 EHS:** None

**SARA Title III Section 311/312:** ND

**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.