



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
 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 455 LIQUI-ZYME

USE/DESCRIPTION
 Odor Eliminator

REVISION DATE
 November 06, 2012

HMIS III HEALTH (0 = Maximum Safety) **0**

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.

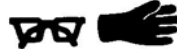
4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

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: B



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 patient 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: This product is biodegradable. Flush to sewage drain. This product may cause slippery conditions; rinse thoroughly.

Large Spills: This product is biodegradable. 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 are recommended.

Skin: Chemical resistant gloves are 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: 212°F/100°C **Specific Gravity:** 0.990 (H₂O=1) **Vapor Pressure:** 17.5 mmHg **Melting Point:** ND
Vapor Density: ND **Evaporation Rate:** 1 (Water=1) **Solubility in Water:** Soluble **pH:** 7-8
Appearance and Odor: LIQUI-ZYME: Light green liquid with strong Cimarron (cinnamon-like) scent; LIQUI-ZYME SUNSHINE: Dark orange liquid with fresh Sunshine (botanical) scent, LIQUI-ZYME NEWBERRY: Slight green to colorless liquid with Newberry scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

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

14. TRANSPORT INFORMATION

DOT: For Ground shipping within the US: Nonhazardous - Cleaning, scouring or washing compounds, or soaps.

TDG: Ocean shipping: Nonhazardous - Cleaning, scouring or washing compounds, or soaps.

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.

UNITED 455 LIQUI-ZYME

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