

UNITED LABORATORIES TECHNICAL DATA SHEET

UNITED 894 ZYME-OUT Degassing Agent and Odor Eliminator

DESCRIPTION

UNITED 894 ZYME-OUT is a proprietary surfactant and enzyme blend designed to catalyze the breakdown of H₂S and other malodors. **ZYME-OUT** can be effective in manholes, lift stations, sumps, dewatering areas, drying beds and compost sites to reduce or eliminate H₂S and other malodors in waste streams, in the air or on solids when used per the directions. **ZYME-OUT** catalyzes the breakdown of solid waste material. **ZYME-OUT** is unaffected by salinity of water.

FEATURES AND BENEFITS

- Non-toxic according to EPA, OSHA, NIOSH and WHMIS standards.
- Water-soluble liquid disperses completely in water with no residue or precipitate from product.
- **ZYME-OUT** provides flocculent properties.
- Can be injected, misted or fogged. High concentration makes it very economical to use.
- Near-neutral pH.
- Patented (see below) Separation Technology® – Allows separate recovery and disposal of petroleum and grease, leaving nearly oil-free water.
- Conforms to and is sold under U.S. Patents 5,459,066; 5,660,732; 5,686,297; 5,462,784; Mexican patentado 182928; and other patents pending.

SPECIFICATIONS

Appearance	Red color with strong vanilla scent
Flash Point and Flame Extension	None
Specific Gravity (water=1)	0.990 (H ₂ O=1)
pH	7-8
VOC	None
Evaporation	1 (Water=1)
Solubility in Water	Soluble
Wetting Ability	Yes
Cold Stability	Do not freeze
NPE, Phosphates, Butyl, Heavy Metals, Chlorine, Pthalates	None
Packaging	Plastic containers: 6 gal. 20 gal. 35 gal. 55 gal.
Shelf Life	1 year

SUGGESTED USES

When used correctly **UNITED 894 ZYME-OUT** will Mask, Break and Eliminate Hydrogen Sulfide within 15 minutes.

DIRECTIONS

Dilution rates will vary based upon the level and type of odor being controlled, the application method and the area to be treated.

For In-Line Injection: Use one part **ZYME-OUT** per 5,000-10,000 parts of raw influent. To determine exact dilution rates, conduct a bench test.

For Misting with Spray Heads or Spray Bars: Dilute 75 to 210 parts of water in the dilution tank and spray continuously or activate by timer as needed. Use a fine mist to improve coverage.

For Fogging Applications: Mix a 100:1 solution in an empty drum and attach an A187 TRI-JET Fogger. An A185 Timer will control the activation of the fogger. Always allow a 15-minute cool-down period per hour with the TRI-JET Fogger.

For Sludge Odor Control on Belt Presses: Use one part **ZYME-OUT** per 10,000 parts of 3% sludge. Less polymer may be needed.

For Sludge Odor Control on Land: Use one to five parts **ZYME-OUT** in the terragitator per 10,000 parts of liquid sludge to be spread. To determine exact dilution rates, conduct a bench test.

HMIS® III CODE

0=MINIMAL	HEALTH	0
1=SLIGHT	FLAMMABILITY	0
2=MODERATE	PHYSICAL HAZARD	0
3=SERIOUS	PERSONAL PROTECTION	B
4=SEVERE		

PERSONAL PROTECTION INDEX: Glasses and Gloves

