

MATERIAL SAFETY DATA SHEET

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SECTION I IDENTIFICATION

Trade Name: **URIZYME**
Chemical Family: Bacterial Suspension
Chemical Name: No ICU name for this mixture is known to exist.
D.O.T. Hazard Class: Not applicable
D.O.T. Label (s): Not applicable
D.O.T. Proper Shipping Name: Chemicals not otherwise indexed [NOI], non-hazardous

SECTION II PRODUCT COMPOSITION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>	<u>TLV(ACGIH)</u>
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Ingredients are trade secret/proprietary.

**Contains No Hazardous Components as Listed in 29 Cfr 1900.1000
or Other Pertinent Sections of Osha Regulations.**

SECTION III PHYSICAL DATA

State: Liquid
Appearance: Clear to Tan
Odor: OST Clean and Fresh
Boiling Point: 100°C
Vapor Density: Not Established
pH: 9.00 – 9.20
Specific Gravity: 0.90 - 1.00
Solubility in water: Complete

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: Non determined (Aqueous solution)
Ignition Temperature: *Not Established
Flammable limits: *Not Established
* Since this product is primarily an aqueous mixture, fire and ignition chances are remote.

Extinguishing media:
No special requirements, water and foam are suitable.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Special fire fighting protective equipment:

No distinctively hazardous decomposition products are known to exist, nor are there special fire-fighting requirements: however, self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual fire and explosion hazards:

None known

SECTION V REACTIVITY DATA

Stability:

Stable under normal conditions.

Incompatibility (materials to avoid):

Strong acids or alkali compounds may inactivate biological cultures.

Hazardous decomposition products:

None

Hazardous polymerization:

will not occur.

SECTION VI HEALTH HAZARD ASSESSMENT

General:

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Ingestion:

No effect if ingested in small amounts. Relative to other materials, a single dose of this product is rarely toxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

Eye contact:

This material may cause eye irritation. Organisms used are nonpathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly-used antibiotics.

Skin contact:

Slight redness on hands and forearms, if individual has a history of dermal allergic reaction.

Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin.

Inhalation:

Can cause allergic type response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.

Other effects of overexposure:

None known

SECTION VI HEALTH HAZARD ASSESSMENT

First-aid procedures:

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

Eyes: Immediately flush with plenty of water for at least 15 min., and have examined and treated by medical personnel.

Inhalation: Remove victim to fresh air.

Ingestion: Drink water or milk to dilute. Induce vomiting only if advised by physician or poison control center. Call poison control center.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Wear approved respirator for nuisance dust during cleanup. For small spills, flush to waste treatment sewer (product is biodegradable). For large spills, contain and collect for reuse.

Disposal method:

Disposal of this product or its residues must be in accordance with all local, state, and federal requirements.

SECTION VIII SPECIAL PROTECTION INFORMATION

TLV or suggested control value:

No TLV assigned to this mixture. Control of exposure to below the TLV for the ingredients (see SECTION II) will be sufficient. Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged exposure to high temperatures and humidity. The ACGIH TLV'S shown in SECTION II are OSHA PEL's (Permissible Exposure Limits).

Ventilation:

General mechanical ventilation.

Respiratory protection (specify type):

None required for recommended use. Avoid creating aerosols in poorly ventilated areas.

Protective Clothing:

None is required.

Eye protection:

Chemical type face shield recommended.

Other protective equipment:

Eyewash station in work area.

SECTION IX SPECIAL PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling or storing:

Prevent skin and eye contact. Avoid creating aerosol. Wash hands thoroughly with soap and water after use.

Keep Out of Reach of Children

SECTION IX SPECIAL PRECAUTIONS OR OTHER COMMENTS

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