

**Material Safety Data Sheet**  
**Gujarat Life Sciences (P.) Ltd.**

**1. Chemical Products and Company Identification**

Product Name : ReLife-Decomposting Cultures  
Product Code : ReLife -Decomposting Cultures  
Chemical Formula : Mixture  
Other Designations : Liquid Formulation Containing Agricultural Bacteria

**Company:**

Gujarat Life Sciences (P.) Ltd.  
9, Krishna Estate, Gorwa, Baroda – 390016  
Gujarat – India  
Emergency Phones : +91-265-2285611 (Domestic and International)  
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**2. Composition / Information on Ingredients**

No Hazardous Ingredients.

Contains naturally-occurring, non-pathogenic, bacteria in liquid water formulation. These bacteria are Cellulomonas, Pleurotus, Azotobacter, Azospirillum, Torulaspora and Bacillus and species, popularly used in agriculture for decomposing organic waste, nitrogen fixation and phosphate solubilization. The product is applied at the rate of 1 liter per 1 ton of organic waste. It is mixed and left alone for decomposition to finish. Afterwards it is used for agricultural purposes. Not for food, feed or drug use.

**3. Hazards Identification**

Emergency Overview : No known health hazards

Primary Entry Routes : Oral (swallowing), Inhalation

Acute Effects (Signs and Symptoms of Overexposure):

Eyes : Liquid may cause mechanical irritation of eyes  
Skin : No known hazard  
Inhalation : Inhalation of large amounts may cause discomfort  
Ingestion : No known hazard

Chronic Effects : No known hazards

Medical Conditions Aggravated by Exposure : None known

Target Organs : None

Carcinogenicity : None

HMIS : Health – 0, Flammability – 0, Reactivity – 0

#### **4. First Aid Measures**

Eyes	: Flush with water for at least 15 minutes. Get medical attention if irritation persists.
Skin	: Wash with soap and water
Inhalation	: Remove person to fresh air. Get medical attention if discomfort persists
Ingestion	: No treatment necessary. Physician consultation recommended

#### **5. Fire Fighting Measures**

Flash Point	: None
Autoignition Temperature	: Not Applicable
Explosive Limits	: LEL: Not Applicable UEL: Not Applicable
Extinguishing Media	: Use media suitable for surrounding fire
Unusual Fire or Explosive Hazards	: Not Known
Fire Fighting Instructions	: No special requirement

#### **6. Accidental Release Measures**

Large Spill / Leak Procedure	: Contain spill and recover for use or disposal
Small Spills	: Flush area with water

#### **7. Storage and handling**

Storage Requirements	: Store in original container in clean, cool and dry place. Use before expiration date printed on package
Handling Precautions	: No special handling requirements. Follow normal hygienic and housekeeping standards for agricultural products

#### **8. Exposure Control / Personal Protection**

Ventilation	: Special ventilation is not required
Protective Clothing / Equipment	: No special requirement
Respirator	: Not required
Contaminated Equipment	: Clean with soap and water
Comments	: Practice general personal hygiene after using this product. Wash hands with soap and water before eating, drinking or smoking.

## 9. Physical and Chemical Properties

Physical State	: Liquid
Colour	: Pale Yellow to Yellow (Translucent)
Odour	: Mild
Water Solubility	: Soluble
% Volatile volume	: Not determined
Specific Gravity	: 1
Vapour Pressure	: Not determined
Vapour Density	: Not determined
pH	: 6.5-7.0
Melting Point	: Not Determined
Boiling Point	: 100°C
Freezing Point	:4°C

## 10. Stability and Reactivity

Stability	: Stable
Conditions to avoid	: None
Hazardous Polymerization	: Will not occur
Chemical Incompatibilities	: Avoid contact with any chemical
Hazardous products of decomposition	: None

## 11. Toxicological Information

Eye Effects / Eye Irritation	: Non-irritating
Acute Oral Effects	: None
Acute Inhalation Effects	: None
Acute Dermal Effects	: None
Skin Irritation	: Non-irritating
Skin Sensitization	: Not a skin sensitizer

## 12. Ecological Information

The product contains non-pathogenic bacterial strains that occur naturally in soil and is biodegradable.

## 13. Disposal Consideration

Disposal: Small amounts of the product, which cannot be used according to the label instructions, may be disposed off in a landfill

RCRA Waste Status: This product is not regulated as a hazardous waste. State and local regulation may affect the disposal of this product. Consult your state, local or provincial environmental agency for disposal of waste other than by use accordingly to instructions.

#### **14. Transport Information**

Transportation Data : This product is not regulated as a hazardous material for all modes of transportation  
Hazard Class : Not Applicable  
ID No : Not Applicable

#### **15. Regulatory Information**

TSCA : All components of this product are listed on TSCA Inventory  
SARA Section 313 : Contains no reportable components  
OSHA Hazard Classification : Non Hazardous  
Proposition 65 : Contains no components subject to warning requirement  
WHMIS / Controlled Products Regulations : This products has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all of the information required by the CPR

#### **16. Other Information**

Reason for Issue : Update  
Prepared By : Pushpa B. Nair  
Approved By : Dr. Arjun Mehta  
Title : MD  
Approval Date : December 30, 2004  
Super cedes Date : None

NFPA Ratings  
Health : 0  
Flammability : 0  
Reactivity : 0  
Specific Hazard : Not Applicable

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