Material Safety Data Sheet

1. **Identification Product and Company**

# **Product Name** : GLS-Azotolife

# **Product Code** : AZT

# **Chemical Formula** : Mixture

# **Other Designations** : Liquid Formulation Containing Agriculturally beneficial microorganisms.

# **Company :** Gujarat Life Sciences (P.) Ltd.

# 9, Krishna Estate, Gorwa, Baroda – 390016**,** Gujarat – India

# **Emergency Phones** : +91-265-2285611 (Domestic and International)

**Emergency Fax** : +91-265-2290053 (Domestic and International)

1. **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

# **Target Organs** : None

# **Medical Conditions**

# **Aggravated by Exposure** : None known

# **Carcinogenicity** : None

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

1. **Composition / Ingredients’ Information**

# No Hazardous Ingredients.

Contains naturally-occurring, non-pathogenic, microorganisms in liquid formulation. These include, Azotobacter chrocooccum popularly used in agriculture for nitrogen fixation. See Product label for method of application, dosage and recommendations. Not for food, feed or drug use.

1. **First Aid Measures**

**Eyes Contact** : Flush eyes with large amount of water for at least 15 minutes. Remove contact lenses, hold eyelids open to ensure thorough flushing. Get medical attention if irritation persists.

**Skin Contact** : Wash with soap and water.

**Inhalation** : Remove person to fresh air. Get medical attention if discomfort persists

**Ingestion** : Recommended to seek medical attention.

1. **Fire Fighting Measures**

**Flash Point** : None

**Auto ignition Temperature** : Not Established

**Explosive Limits** : LEL: Not Applicable

UEL: Not Applicable

**Extinguishing Media** : Not applicable

**Unusual Fire or Explosive Hazards** : Not Known

**Fire Fighting Instructions** : No special requirement

1. **Accidental Release Measures**

**Large Spill / Leak Procedure** : Contain spill and recover for use or disposal

**Small Spills** : Flush area with water

**Personal protection** : Recommended to wear personal protective equipment

1. **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

1. **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

**Hygiene**  : Practice general personal hygiene after using this product. Wash hands with soap and water before eating, drinking or smoking.

1. **Physical and Chemical Properties**

**Physical State** : Liquid

**Color** : Pale yellow (Translucent)

**Odour** : Mild

**Water Solubility** : Soluble

**% Volatile volume** : Not determined

**Specific Gravity** : ≥ 1.00

**Vapour Pressure** : Not determined

**Vapour Density** : Not determined

**pH** : 6.5-7.5

**Melting Point** : Not Determined

**Boiling Point** : 100oC

**Freezing Point** : 4oC

1. **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

1. **Toxicological Information**

Not any toxic effects on organ or on health

**Any toxic effects on eye**  : Non-irritating

**Acute Oral Effects** : None

**Acute Inhalation Effects**  : None

**Acute Dermal Effects** : None

**Dermal effect**  : Non-irritating

**Skin Sensitization** : Not a skin sensitizer

1. **Ecological Information**

# The product contains non-pathogenic, non-hazardous and non-toxic, naturally occurring constituents and is biodegradable.

1. **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.

1. **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 not 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

1. **Other Information**

**Reason for Issue** : Update

**Prepared By** : Pooja Patel

**Approved By** : Rajesh Umatt

**Title** : COO

**Approval Date** : January 1, 2019

**Supersedes Date** : July 1, 2004

**NFPA Ratings**

**Health** : 0

**Flammability** : 0

**Reactivity** : 0

**Specific Hazard** : Not Applicable

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