



AZUL Bacterial RNA Extraction Kit Safety Data Sheet

PRODUCT AND COMPANY IDENTIFICATION

Product Name: AZUL Bacterial RNA Extraction Kit

Catalog number: RE103-A (25 Reactions), RE103-B (50 Reactions)

Country Of Origin: INDIA

**This product contains one or more components with related SDS, listed below.
You can find the SDS for each component on the following pages.**

Details of the Manufacturer/Supplier

Name : Azooka Labs Pvt Ltd

Address: No. 1A, Kushal Garden Arcade, 'C' Block, 5th Floor, 2nd Phase, Peenya Industrial Area, Bangalore-560058, India,

Emergency Telephone Number: +91 8088747968 (10 am to 6 pm IST)

Email: hello@azooka.life

Website: <https://www.azooka.life/>

Recommended use : Laboratory chemicals



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KIT COMPONENTS

Components	Description	Safety Information
Lysis Buffer(LB)	Proprietary Buffer	See below
Binding buffer(BB)	Proprietary Buffer	No hazard
Wash Buffer 1(WB1)	Liquid	No hazard
Wash Buffer 2(WB2)	Liquid	No hazard
Elution Buffer(EB)	Liquid	No hazard
Spin Column	Plastic Tubes	No hazard

SECTION 1: IDENTIFICATION

Product identifier

- **Trade name:** Lysis Buffer
 - Application of the substance / the mixture For Research and Diagnostic use.
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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions

Mixture: Consisting of the following components



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SECTION 3: HAZARDS IDENTIFICATION

Chemical Name	CAS Number	Concentration (% w/v)	Classification
Guanidine Isothiocyanate	593-84-0	40-60%	Acute Toxicity (Oral) Category 4, Eye Damage/Irritation Category 1
Sarkosyl (N-Lauroylsarcosine)	97-78-9	10-20%	Acute Toxicity (Oral) Category 4, Skin Irritation Category 2, Eye Irritation Category 2
Triton X-100	9036-19-5	1-20%	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1; H302, H315, H318, H400, H410 M- Factor - Aquatic Acute: 10 - Aquatic Chronic: 1



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Label Elements:

- **Hazard Pictograms:**



- **Signal Word: Danger**

Hazard Statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation

H410 Very toxic to aquatic life with long lasting effects. .

Precautionary Statements:

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves, protective clothing, and eye protection.

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of water



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SECTION 4: FIRST AID MEASURES

Description of first aid measures

- **Skin contact:** Rinse skin with plenty of water.
 - **Eye contact:** Rinse the opened eye for several minutes under running water. In the case of contact lenses, remove the lens and rinse it with water.
 - **Ingestion:** Rinse mouth thoroughly. Do not induce vomiting. Drink copious amounts of water and provide fresh air. Seek medical attention if discomfort persists.
 - **Notes to Physician:** Treat symptomatically.
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SECTION 5. FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.
 - **Special hazards arising from the substance or mixture:** Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Wear protective clothing, gloves, and goggles. Avoid dust generation and ensure adequate ventilation.
 - **Environmental Precautions:** Prevent spillage from entering drains or waterways.
 - **Cleanup Methods:** Sweep up carefully and place in a suitable container for disposal. Avoid generating dust.
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SECTION 7. HANDLING AND STORAGE

- **Handling:** Avoid contact with skin, eyes, and clothing. Do not inhale dust or vapors. Handle in a well-ventilated area.
 - **Storage:** Store below 30°C. Store in a cool, dry, well-ventilated area away from incompatible materials (e.g., strong oxidizing agents). Keep container tightly closed.
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Engineering Controls:** Ensure good ventilation or exhaust systems in the workplace.
 - **Personal Protective Equipment (PPE)**
 - **Eye/Face Protection:** Safety goggles.
 - **Skin Protection:** Chemical-resistant gloves (e.g., nitrile).
 - **Respiratory Protection:** Use an approved respirator if dust is generated.
 - **Hygiene Measures:** Wash hands thoroughly after handling.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear, colorless liquid
Odor	Indeterminate
Odor threshold	Not determined.
pH-value	5.0 - 7.5
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable
Auto igniting	Product is not selfigniting
Explosive properties	Not classified as explosive



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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal conditions.
 - **Chemical stability:** Stable under normal conditions.
 - **Possibility of hazardous reactions:** Violent reactions possible with: Strong oxidizing agents.
 - **Conditions to avoid:** No information available.
 - **Incompatible materials:** No data available.
 - **Hazardous decomposition products:** No data available.
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SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects

- **Acute oral toxicity:** GITC: LD50 Oral (Rat): ~593 mg/kg
Sarkosyl: LD50 Oral (Rat): > 5000 mg/kg (Rat)
Triton X-100: LD50 Oral - Rat - 1.900 - 5.000 mg/kg
- **Acute inhalation toxicity:** Sarkosyl: 0.05 - 0.5 mg/kg (Rat - 4h)
- **Dermal:** Triton X-100: LD50 Dermal - Rabbit - > 3.000 mg/kg

Irritant and corrosive effects

- **Primary irritation to the skin:** Causes skin irritation
 - **Irritation to eyes:** Causes serious eye irritation
 - **Irritation to respiratory tract:** Causes Mucous irritation
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SECTION 12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** Toxic to aquatic life with long-lasting effects.
 - **Persistence and Degradability:** Partially biodegradable.
 - **Bioaccumulation Potential:** No significant bioaccumulation expected.
 - **Other adverse effects:** Causes endocrine disruption. Discharge into the environment must be avoided.
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SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of contents as per local/regional/ national and international recommendations.

Uncleaned packaging: Dispose of containers as per local/regional/national and international recommendations.

SECTION 14: TRANSPORT INFORMATION

UN number

Not applicable

UN proper shipping name

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

Transport hazard class(es) Not applicable

Packaging group Not applicable



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SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific to the substance or mixture: No further information is available.

SARA Section 313 (Specific toxic chemical listings): None of the ingredients listed.

Chemical safety assessment: Not applicable.

GHS Classification (29 CFR 1910.1200):

- H302 Harmful if swallowed.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
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SECTION 16: OTHER INFORMATION

The information provided in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. These details are intended for informational purposes only and should not be considered as a warranty of product features. Furthermore, it does not establish a legally valid contractual relationship.

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