



## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** AZUL Chloroplast DNA Extraction Kit

**Catalog number:** DE116-A (25 Reactions), DE116-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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### KIT COMPONENTS

| Components            | Description        | Safety Information |
|-----------------------|--------------------|--------------------|
| Cold Isolation Buffer | Proprietary Buffer | No hazard          |
| CP-Extraction Buffer  | Proprietary Buffer | See below          |
| CP- Lysis Buffer      | Detergent (<1%)    | See below          |
| Proteinase K          | Lyophilized Enzyme | See below          |
| Binding Buffer        | Liquid             | No hazard          |
| Wash Buffer (WB)      | Liquid             | No hazard          |
| Elution Buffer(EB)    | Buffer             | No hazard          |
| Spin Column           | Plastic Tubes      | No hazard          |

### SECTION 1: IDENTIFICATION

#### Product identifier

- **Trade name:** Extraction 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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## AZUL Chloroplast DNA Extraction Kit

### Safety Data Sheet

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#### SECTION 3: HAZARDS IDENTIFICATION

| Chemical Name                  | CAS Number | Concentration<br>(% w/v) | Classification                                                                                                                                                                                  |
|--------------------------------|------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cetyltrimethylammonium bromide | 57-09-0    | 1-20%                    | Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H302, H315, H318, H335, H373, H400, H410 M-Factor - Aquatic Acute: 100 - Aquatic Chronic: 10 |
| DL-Dithiothreitol              | 3483-12-3  | >2%                      | Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; H302, H315, H318                                                                                                                                       |

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## AZUL Chloroplast DNA Extraction Kit

### Safety Data Sheet

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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.

H335 May cause respiratory irritation.

H373 May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements:

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

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

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

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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 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.
- 

### 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, Sulfur oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen bromide gas, 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
  - **Advice for non-emergency personnel:** Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
  - **Environmental Precautions:** Prevent spillage from entering drains or waterways.
  - **Cleanup Methods:** Methods and materials for containment and cleaning up, Cover drains. Collect, bind, and pump off spills. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
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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:**
    1. 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
- 

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>Physical state</b>                | Liquid                      |
| <b>Color</b>                         | Clear, Colorless liquid     |
| <b>Odor</b>                          | Indeterminate               |
| <b>Odor threshold</b>                | Not determined.             |
| <b>pH-value</b>                      | 5.0 - 8                     |
| <b>Flash point</b>                   | Not applicable              |
| <b>Flammability (solid, gaseous)</b> | Not applicable              |
| <b>Auto igniting</b>                 | Product is not selfigniting |
| <b>Explosive properties</b>          | Not classified as explosive |

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal conditions. Forms explosive mixtures with air on intense heating.
  - **Chemical stability:** Stable under normal conditions. May decompose on exposure to moist air or water
  - **Possibility of hazardous reactions:** Violent reactions possible with: Strong oxidizing agents.
  - **Conditions to avoid:** Strong heating.
  - **Incompatible materials:** No data available.
  - **Hazardous decomposition products:** No data available.
- 

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Acute effects

- **Acute oral toxicity:** CTAB: LD50 Oral - Rat - female - 1.550 mg/kg  
LD50 Dermal - Rabbit - male and female - 2.150 mg/kg  
DTT: LD50 Oral - Rat - female - 300 - 2.000 mg/kg
- **Acute inhalation toxicity: No Data available**
- **Dermal:** CTAB: Skin corrosion/irritation Skin - Rabbit  
Result: Irritating to skin. - 24 h  
DTT: Skin - human skin Result: Skin irritation - 1 h

#### 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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:** The substance/mixture does not contain components considered to have endocrine disrupting properties.
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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.

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### 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
  - H335 May cause respiratory irritation.
  - H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
  - H400 Harmful if swallowed.
  - H410 Causes skin irritation.
- 

### 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.

**Prepared By:** Azooka Labs Pvt Ltd, No. 1A, Kushal Garden Arcade, 'C' Block, 5th Floor, 2nd Phase, Peenya Industrial Area, Bangalore-560058, India

**Phone:** +91 8088747968

**Email:** hello@azooka.life

**Date of preparation/ last revision:** 08/01/2025 (DD/MM/YYYY)

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### 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<br>(% w/v) | Classification                                                                                                                                                                                                  |
|-------------------------------|------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDS (Sodium dodecyl sulphate) | 151-21-3   | 1-20%                    | Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Chronic 3; H228, H302, H332, H315, H318, H335, H412 Concentration limits: 10 - < 20 %: Eye Irrit. 2, H319; >= 20 %: Eye Dam. 1, H318; |

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### Label Elements:

- **Hazard Pictograms:**



- **Signal Word: Danger**

### Hazard Statements:

H228 Flammable.

H302 + H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P304 +

P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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.

Supplemental Hazard Statements: none

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
- 

### 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, Sulfur oxides, Sodium oxides, Carbon oxides, Sulfur oxides, Sodium 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
  - **Advice for non-emergency personnel:** Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.
  - **Environmental Precautions:** Prevent spillage from entering drains or waterways.
  - **Cleanup Methods:** Cover drains. Collect, bind, and pump off spills. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
- 

### SECTION 7. HANDLING AND STORAGE

- **Precautions for safe handling:** Advice on safe handling Work under hood. Do not inhale substance/mixture. Advice on protection against fire and explosion. Keep away from open flames, hot surfaces and sources of ignition.
  - **Take precautionary measures against static discharge.**
  - **Hygiene measures:** Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
  - **Conditions for safe storage:** Storage conditions Tightly closed. Keep away from heat and sources of ignition
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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
- 

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>Physical state</b>                | Liquid                      |
| <b>Color</b>                         | Clear, Colourless liquid    |
| <b>Odor</b>                          | Indeterminate               |
| <b>Odor threshold</b>                | Not determined.             |
| <b>pH-value</b>                      | Not applicable              |
| <b>Flash point</b>                   | Not applicable              |
| <b>Flammability (solid, gaseous)</b> | Not applicable              |
| <b>Auto igniting</b>                 | Product is not selfigniting |
| <b>Explosive properties</b>          | Not classified as explosive |

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal conditions. Forms explosive mixtures with air on intense heating.
  - **Chemical stability:** Stable under normal conditions. May decompose on exposure to moist air or water
  - **Possibility of hazardous reactions:** Violent reactions possible with: Strong oxidizing agents.
  - **Conditions to avoid:** Strong heating.
  - **Incompatible materials:** No data available.
  - **Hazardous decomposition products:** No data available.
- 

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Acute effects

- **Acute oral toxicity:** LD50 Oral - Rat - female - 977 mg/kg
- **Acute toxicity estimate Inhalation** - 4 h - 1,51 mg/l - dust/mist
- **Dermal:** LD50 Dermal - Rat - male and female - > 2.000 mg/kg  
Skin corrosion/irritation Skin - Rabbit Result: Irritating to skin. - 24 h
- **Serious eye damage/eye irritation Eyes** - Rabbit Result: Irreversible effects on the eye

#### 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** Toxic to aquatic life
  - **Persistence and Degradability:** Readily biodegradable.
  - **Bioaccumulation Potential:** No significant bioaccumulation expected.
  - **Other adverse effects:** The substance/mixture does not contain components considered to have endocrine disrupting properties.
- 

### 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.

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### 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
- 

### 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.

**Prepared By:** Azooka Labs Pvt Ltd, No. 1A, Kushal Garden Arcade, 'C' Block, 5th Floor, 2nd Phase, Peenya Industrial Area, Bangalore-560058, India

**Phone:** +91 8088747968

**Email:** hello@azooka.life

**Date of preparation/ last revision:** 08/01/2025 (DD/MM/YYYY)

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 1: IDENTIFICATION

#### Product identifier

- **Trade name:** Proteinase K
  - Application of the substance / the mixture For Research and Diagnostic use.
- 

### 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<br>(% w/v) | Classification                                                                         |
|---------------|------------|--------------------------|----------------------------------------------------------------------------------------|
| Proteinase K  | 39450-01-6 | 0-10%                    | Skin Irrit. 2; Eye Irrit. 2;<br>Resp. Sens. 1; STOT SE<br>3; H315, H319, H334,<br>H335 |

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### Label Elements:

- **Hazard Pictograms:**



- **Signal Word: Danger**

### Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

### Precautionary Statements:

P261 Avoid breathing dust.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements: none

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
- 

### 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:** Nature of decomposition products not known. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
  - **Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.
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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
  - **Advice for non-emergency personnel:** Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
  - **Environmental Precautions:** Prevent spillage from entering drains or waterways.
  - **Cleanup Methods:** Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
- 

### SECTION 7. HANDLING AND STORAGE

- **Precautions for safe handling:** Advice on safe handling Work under hood. Do not inhale substance/mixture. Advice on protection against fire and explosion. Keep away from open flames, hot surfaces and sources of ignition.
  - **Hygiene measures:** Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
  - **Conditions for safe storage:** Tightly closed. Recommended storage temperature see product label. Keep locked up or in an area accessible only to qualified or authorized persons.
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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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.
- 

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                               |                             |
|-------------------------------|-----------------------------|
| Physical state                | Solid                       |
| Color                         | White                       |
| Odor                          | Indeterminate               |
| Odor threshold                | Not determined.             |
| pH-value                      | Not applicable              |
| 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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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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 data available .
  - **Incompatible materials:** No data available.
  - **Hazardous decomposition products:** No data available.
- 

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Acute effects

- Acute toxicity Oral: No data available
- Inhalation: No data available
- Dermal: No data available
- **Skin corrosion/irritation:** Causes skin irritation.
- Serious eye damage/eye irritation: : Causes serious eye irritation
- **Respiratory or skin sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Irritant and corrosive effects

- **Primary irritation to the skin:** Causes skin irritation
  - **Irritation to eyes:** Causes serious eye irritation
  - **Irritation to respiratory tract:** Causes irritation
-



## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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### SECTION 12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** No data available
  - **Persistence and Degradability:** No data available
  - **Bioaccumulation Potential:** No data available
  - **Other adverse effects:** No data available
- 

### 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.

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### SECTION 14: TRANSPORT INFORMATION

**UN number**

No data available

**UN proper shipping name:** No data available

**Transport hazard class(es)** No data available

**Packaging group** No data available

**Environmental hazards** No data available

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## AZUL Chloroplast DNA Extraction Kit Safety Data Sheet

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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):**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.

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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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