



AZUL CF-DNA Extraction Kit Safety Data Sheet

PRODUCT AND COMPANY IDENTIFICATION

Product Name: AZUL CF-DNA Extraction Kit

Catalog number: DE108-A (25 Reactions), DE108-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



AZUL CF-DNA Extraction Kit Safety Data Sheet

KIT COMPONENTS

Components	Description	Safety Information
Lysis Buffer	Proprietary Buffer	See below
Proteinase K	Lyophilized Enzyme	See below
Binding Buffer (BB)	Proprietary Buffer	See below
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.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures.

Description: Mixture of substances listed below with nonhazardous additions

Mixture: Consisting of the following components.



AZUL CF-DNA Extraction Kit Safety Data Sheet

SECTION 3: HAZARDS IDENTIFICATION

Chemical Name	CAS Number	Concentration (% 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;

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.



AZUL CF-DNA Extraction Kit Safety Data Sheet

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

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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AZUL CF-DNA Extraction Kit Safety Data Sheet

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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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.
 - **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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AZUL CF-DNA Extraction Kit Safety Data Sheet

SECTION 7. HANDLING AND STORAGE

- **Precautions for 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:** Tightly closed. Keep away from heat and sources of ignition.
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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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AZUL CF-DNA Extraction Kit Safety Data Sheet

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear, Colourless liquid
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

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.
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AZUL CF-DNA Extraction Kit Safety Data Sheet

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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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.
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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

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.
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AZUL CF-DNA Extraction Kit Safety Data Sheet

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)



AZUL CF-DNA Extraction Kit Safety Data Sheet

SECTION 1: IDENTIFICATION

Product identifier

- **Trade name:** Proteinase K
 - 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.

SECTION 3: HAZARDS IDENTIFICATION

Chemical Name	CAS Number	Concentration (% w/v)	Classification
Proteinase K	39450-01-6	0-10%	Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; STOT SE 3; H315, H319, H334, H335



AZUL CF-DNA Extraction Kit Safety Data Sheet

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



AZUL CF-DNA Extraction Kit Safety Data Sheet

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:** 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 CF-DNA Extraction Kit Safety Data Sheet

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.
 - **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

- **Precautions for 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 CF-DNA Extraction Kit Safety Data Sheet

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	Soild
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



AZUL CF-DNA Extraction Kit Safety Data Sheet

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.
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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
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AZUL CF-DNA Extraction Kit Safety Data Sheet

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
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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



AZUL CF-DNA Extraction Kit Safety Data Sheet

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.
-

SECTION 16: OTHER INFORMATION

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



AZUL CF-DNA Extraction Kit Safety Data Sheet

SECTION 1: IDENTIFICATION

Product identifier

- **Trade name:** Binding 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.

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



AZUL CF-DNA Extraction Kit Safety Data Sheet

Label Elements:

- **Hazard Pictograms:**



- **Signal Word: Danger**

Hazard Statements:

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H318: Causes serious eye damage.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P260: Do not breathe dust.

P273: Avoid release to the environment.

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

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

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



AZUL CF-DNA Extraction Kit Safety Data Sheet

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, Nitrogen oxides (NO_x), Sulfur oxides, Combustible. 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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AZUL CF-DNA Extraction Kit Safety Data Sheet

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.
-

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 - 8.0
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable
Auto igniting	Product is not selfigniting
Explosive properties	Not classified as explosive



AZUL CF-DNA Extraction Kit Safety Data Sheet

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.
-

SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects

- **Acute oral toxicity:** GITC: LD50 Oral (Rat): ~593 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
-

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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AZUL CF-DNA Extraction Kit Safety Data Sheet

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

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.



AZUL CF-DNA Extraction Kit Safety Data Sheet

GHS Classification (29 CFR 1910.1200):

- H302: Harmful if swallowed.
 - H332: Harmful if inhaled.
 - H318: Causes serious eye damage.
 - H312: Harmful in contact with skin.
 - H314: Causes severe skin burns and eye damage.
 - H412: Harmful to aquatic life with long lasting effects.
-

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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