

SECTION 1 – IDENTIFICATION

1.1 Product Identifier:

Product No: K.BUF-9107-2
Product Name: Stool DNA Collection Kit 10 ml, 2preps

Other means of identification:

See section 3 or

A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.

2 tubes of 10 mL Stool DNA Collection Kit

1.2 Recommended use of the chemical and restrictions on use:

To collect, preserve and store stool samples for DNA extraction.
For R&D use only. Not for pharmaceutical, household, or other uses.

1.3 Supplier Information:

Axil Scientific Pte Ltd
2 Tukang Innovation Grove,
06-01 JTC MedTech Hub,
Singapore 618305

Tel: +65 6775 7318

Email: custcare@axilscientific.com

Apical Scientific Sdn. Bhd.
No 7-1 to 7-4, Jalan SP 2/7
Taman Serdang Perdana, Seksyen 2
Seri Kembangan 43300
Selangor Darul Ehsan, Malaysia

Tel: +603 8943 3252

Fax: +603 8943 3243

Email: custcare@apicalscientific.com

1.4 Emergency phone number:

Monday – Friday, **(UTC +8:00)** 8:00 a.m. to 6:00 p.m.
+65 6775 7318 (Singapore)
+603 8943 3252 (Malaysia & Other Countries)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 GHS Classification of the Substance or Mixture

10 mL Stool DNA Collection Kit



Signal word

WARNING

Hazard Identification

H302
H315
H319

Hazard Classification: Hazard Statement

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.

2.2 Label Elements, including precautionary statements

10 mL Stool DNA Collection Kit



Signal word: WARNING

Precautionary statement(s):

Prevention

- P233 Keep container tightly closed.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

- P301 + P312 If swallowed: Call a Poison Centre or doctor/physician if you feel unwell
P330 Rinse mouth.
P302 + P352 If on skin: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + PP364 Take off contaminated clothing and wash it before use.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Possible hazards from physicochemical properties

In the case of pH values are less than 5 or higher than 9 then it is irritant.

Information pertaining to particular risks to human and possible symptoms

This mixture has not been tested to determine the overall health hazard.

Information pertaining to particular risks to the environment

No data available.

Other hazards

No additional data available.

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS THAT CONTRIBUTING TO HAZARD

3.1 Substances or 3.2 Mixtures

10 mL Stool DNA Collection Kit

Chemical: Sodium Citrate CAS No.: 68-04-2
GHS Classification: No Hazards
Formula: $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7$
Pseudonym: Trisodium citrate
Sodium salt of citric acid
EC No.: 200-675-3
Concentration: < 10%

Chemical: Triton X-100 CAS No.: 65256-19-1
GHS Classification: Acute Tox. 4 H302, Skin Irrit. 2 H315
Formula: $\text{C}_{14}\text{H}_{22}\text{O}(\text{C}_2\text{H}_4\text{O})_n$
Pseudonym: Octylphenol ethoxylate
t-Octylphenoxypolyethoxyethanol
Nonionic detergent
EC No.: 629-375-4
Concentration: < 5%

Chemical: Ethylenediaminetetraacetic acid CAS No.: 60-00-4
GHS Classification: Eye Irrit. 2; H319
Formula: $\text{C}_{10}\text{H}_{16}\text{N}_2\text{O}_8$
Pseudonym: EDTA acid
Ethylenediaminetetraacetate
EC No.: 200-449-4
Concentration: < 20%

3.3 Remarks

Components of mixture that are not listed are not hazardous to health or the environment within the meaning of GHS, and/or are present below their cut-off levels.

SECTION 4 – FIRST-AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse cautiously with plenty of water. Remove contact lenses. Continue rinsing for at least 15 minutes and consult a physician.

Skin Contact

Rinse skin with soap and plenty of water. Remove contaminated clothing/ shoes and consult a physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Consult a physician if necessary.

Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

- 4.2 Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
- 4.3 Indication of any immediate medical attention and special treatment needed**
No data available.

SECTION 5 – FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 Special Exposure Hazards**
Carbon oxides, Nitrogen oxides (NO_x)
- 5.3 Special Fire-fighting Procedures**
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- 5.4 Further Information**
The product itself does not burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment, and emergency procedures**
Regular staff training is necessary, indicating hazards and precautions about the basis of operating instructions. Restrictions on activity must be observed. Wear protective gloves, protective clothing, and eye/face protection. Observe general safety guidelines for protection; avoid eye and skin contact.
- 6.2 Environmental precautions**
Contain spill to prevent migration. Do not allow the undiluted product to enter sewers/surface or ground water. Dispose of contents/container in accordance with local regulations.
- 6.3 Methods and material for containment and cleaning up**
Bind any escaping liquid with inert absorbent or liquid-binding material. Dispose chemicals or excess reagents in accordance with local regulations for hazardous chemicals. Clean any contaminated equipment and floors with plenty of water. Collect small amounts of leaked liquid and flush with water into drains.
- 6.4 Reference to other sections**
Nil.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product. Use only in well-ventilated working areas.

7.2 Conditions for safe storage, including any incompatibilities.

The original product package allows a safe storage. To maintain product quality, store according to the instructions in the product labelling.

7.2.1 Requirements for stock rooms and containers

Keep original product packages tightly closed during handling and storage.

7.2.2 Storage stability

Recommended storage temperature at 2 - 35°C.

7.3 Specific end use(s)

Product for research use.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

10 mL Stool DNA Collection Kit

This component is not known to contain any substances with occupational exposure limit values.

8.2 Exposure controls

Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities. High level of cleanliness shall be maintained at the workplace.

8.2.1 Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) dust masks.

8.2.2 Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

8.2.3 Eye/ face protection

Use safety glasses. Where contact with the eyes is likely, use chemical safety goggles.

8.2.4 Skin protection

Recommended to avoid contamination with these hazards.

8.2.5 Personal hygiene

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating and then apply protective skin cream.

8.2.6 Environmental exposure control

Prevent the product from entering drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

10 mL Stool DNA Collection Kit

Appearance: Liquid & Solid metal beads pH: ~7.4	Colour: Colourless (Solution) Metallic (Metal bead) Specific gravity: No data available	Odour: Slight irritating smell
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9.2 Other information

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

9.3 Relevant Properties of Substance Group

No data available

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Store according to the recommended temperature on the container label.

10.3 Possibility of hazardous reactions

Hazardous reaction has not been reported.

10.4 Conditions to avoid

Strong heat, direct sunlight, strong oxidizers, and strong reducers.

10.5 Incompatible materials

Avoid contact with strong acids or alkaline.

10.6 Hazardous decomposition products

In the original package, all parts/ all reagents are safely and separately stored. Decompositions are not observed during the expiration period under recommended conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity: Harmful if swallowed.

Skin corrosion/irritation: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation: Causes eye irritation.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity: No data available.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

11.2 Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Data for the substances and mixtures are not available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2 Contaminated packaging: Dispose-off as unused product.

SECTION 14 – TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

14.1 UN Number

ADR/RID: -

IMDG: -

IATA-DGR: -

14.2 UN Proper Shipping Name:

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

14.3 Transport Hazard Class(es)

ADR/RID: -

IMDG: -

IATA-DGR: -

14.4 Packing Group

ADR/RID: -

IMDG: -

IATA-DGR: -

14.5 Environmental Hazards

ADR/RID: no

IMDG: marine pollutant: no

IATA-DGR: no

14.6 Special Precaution for Users

No data available.

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of COMMISSION REGULATION (EU) No 830/2015.

15.2 Chemical Safety Assessment

Not available.

SECTION 16 – OTHER INFORMATION

Date of Issue: 15 January 2025

Date of Revision: 15 January 2025

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. We shall not be held liable for any damage resulting from handling or from contact with the above product and shall not establish a legally valid contractual relationship.