

**Material Safety Data Sheet**

Version No.: 0 (Rev. date : 2022-08-11)

**AccuPower<sup>®</sup> Citrobacter freundii  
Real-Time PCR Kit**

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**1. Product and company identification**

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**Product details**Product Name : AccuPower<sup>®</sup> Citrobacter freundii Real-Time PCR Kit

Product Number : K-6832

**Use of the Product**

Identified uses : For research use only. Not for use in diagnostic procedures.

**Company**

BIONEER CORPORATION

8-11, Munpyeongseo-ro, Daedeok-gu, Daejeon 34302, Republic of Korea

82-42-930-8777

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**2. Hazards identification**

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**Hazard description**

- Irritant to eyes, respiratory system and skin
- Harmful in contact with skin
- Toxic if swallowed

**Information concerning particular hazards for humans and environment:**

- The product does not have to be labeled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest valid version.
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**Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**NFPA ratings (Scale 0-4)**

Health = 1

Fire = 1

Reactivity = 0

GHS label :

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**3. Composition/information on ingredients**

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**Chemical characterization**

Description : Pellet, consisting of the following components:

CAS No	Component name	weight(%)
7447-40-7	Potassium Chloride	<0.1
77-86-1	TRIS Base	<0.1

**Other components:**

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive. 1999/25/EC.

**4. First aid measures**

**Skin contact** : Wash off immediately with plenty of water

**Eye contact** : Irrigate thoroughly with plenty of water, also under the eyelids.

**Ingestion** : Never give anything by mouth to an unconscious person

**Inhalation** : Move to fresh air

**5. Fire-fighting measures****Fire and explosion hazards**

Can be disregard.

**Suitable extinguishing agents**

Use dry chemical, CO<sub>2</sub> or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.

**6. Accidental release measures****Person-related safety precautions**

Use personal protective equipment

**Measures for cleaning**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**7. Handling and storage****Handling**

No special handling advice required.

**Storage**

Keep tightly closed. Store in a cool dry place.

**8. Exposure controls / personal protection**

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Respiratory : Respiratory protection is not required.

Hand protection : Impervious gloves

Eye protection : Chemical safety goggles.

Skin and body protection : Lightweight protective clothing.

General hygiene measures : Wash thoroughly after handling.

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**9. Physical and chemical properties**

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**General information**

Physical state	Liquid
Color	Clear colorless
Odor	Odorless
Boiling point / Boiling range	N/A
Melting point / Melting range	N/A
Freezing point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Volatile %	N/A
Flash point	N/A
Autoignition Temp	N/A
specific gravity	N/A
Density	N/A
Solubility	N/A

N/A = not available.

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**10. Stability and Reactivity**

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**Stability**

Stable: stable.

Materials to avoid : No information available

**Hazardous decomposition products**

No information available

**Hazardous polymerization**

Will not occur.

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**11. Toxicological information**

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**Route of exposure**

Skin contact: No information available.  
Skin absorption: No information available.  
Eye contact: No information available.  
Inhalation: No information available.

**Signs and symptoms of exposure**

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

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**12. Ecological information**

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Not data available.

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**13. Disposal considerations**

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Disposal must be made according to the Standard.

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**14. Transport information**

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**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Special precautions for user:**

Not classified as dangerous in the meaning of transport regulations

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**15. Regulatory information**

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**Indication of danger**

Not hazardous

**Risk phrases**

No information available

**Safety phrases.**

No information available

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**16. Other information**

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This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features. BIONEER is not held liable for any damage resulting from handling or from contact with the above products.

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