

Material Safety Data Sheet

Version No.: 0 (Rev. date : 2023-03-31)

**AccuPower[®] Shewanella putrefaciens
Real-Time PCR Kit**

1. Product and company identification

Product details

Product Name : *AccuPower[®]* Shewanella putrefaciens Real-Time PCR Kit
Product Number : K-2986

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

2. Hazards identification

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 :

3. Composition/information on ingredients

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, CO₂ 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.

9. Physical and chemical properties

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.

10. Stability and Reactivity

Stability

Stable: stable.

Materials to avoid : No information available

Hazardous decomposition products

No information available

Hazardous polymerization

Will not occur.

11. Toxicological information

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.

12. Ecological information

Not data available.

13. Disposal considerations

Disposal must be made according to the Standard.

14. Transport information**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

15. Regulatory information**Indication of danger**

Not hazardous

Risk phrases

No information available

Safety phrases.

No information available

16. Other information

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.
