

Material Safety Data Sheet

Version No.: 0 (2022-05-04)

AccuFect™ Transfection Reagent

1. Product and company identification

Product Name : *AccuFect™* Transfection Reagent

Recommended Use : For Research Use Only Supply Information

- Company : Bioneer
- Address : 71, Techno2-ro, Yuseong-gu, Daejeon, Republic of Korea
- Emergency telephone number : +82-42-930-8777

2. Hazards identification

GHS-Classification

Not a hazardous substance or mixture.

Pictogram

No information available.

3. Composition/information on ingredients

Chemical name	Synonyms	CAS No.	Weight(%)
Polyethylenimine-based polymer	N/A	N/A	>5%
Water	Dihydrogen oxide	7732-18-5	<95%

4. First aid measures

- . Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes.
- . Skin Contact : Rinse thoroughly with plenty of water for at least 15 minutes.
Remove contaminated clothing.
- . Inhalation : Move to fresh air. If breathing is difficult, give oxygen.
- . Ingestion : Rinse around the mouth with water.

Get medical attention if irritating or symptoms occur.

- . The most important acute and delayed symptoms/effects : No information available.
 - . Notes to Physician : No information available.
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5. Fire-fighting measures

- . Suitable Extinguishing Media : Water-spray, carbon dioxide, extinguishing powder or foam.
 - . Flammable Properties : No information available.
 - . Protective Equipment and Precautions for Firefighters : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
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6. Accidental release measures

- . Personal Precautions : Use proper personal protective equipment as indicated in Section 8.
 - . Environmental precautions : Do not allow entering sewers, surfaces or ground water.
 - . Methods for cleaning up : Sweep up or absorb material, then place it into container for disposal. Wash spilled site after material pickup is complete.
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7. Handling and storage

- . Handling : Use personal protective equipment as required. No special handling advices are necessary.
 - . Storage : Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. Specific end use(s)
For research use only. Store at -20°C.
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8. Exposure controls / personal protection

- . Chemical exposure limits, biological exposure limits etc. : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - . Engineering Measures : Ensure adequate ventilation, especially in confined areas.
 - . Personal Protective Equipment
 - Respiratory Protection : In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards..
 - Eye/Face Protection : Tight sealing safety goggles (glasses)
 - Skin Protection : Wear Chemical Safety gloves (Glove material: Compatible chemical-resistant gloves).
 - Body Protection : Wear suitable protective clothes.
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9. Physical and chemical properties

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- . Appearance : Transparent liquid
 - . Odor : No information available
 - . Odor threshold : No information available
 - . pH : No information available
 - . Melting point/Freezing point : No information available
 - . Initial boiling point/range : No information available
 - . Flash point : No information available
 - . Evaporation rate : No information available
 - . Flammability (Solid, Liquid) : No information available
 - . Flammability Limits upper/lower : No information available
 - . Vapor pressure : No information available
 - . Solubility : No information available
 - . Vapor density : No information available
 - . Viscosity : No information available
 - . n octanol/water : No information available
 - . Autoignition temperature : No information available
 - . Decomposition temperature : No information available
 - . Specific gravity : No information available
 - . Molecular weight : No information available
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10. Stability and Reactivity

- . Stability : Stable under normal handling and storage conditions.
 - . Possibility of harmful response : Hazardous reaction has not been reported.
 - . Conditions to avoid (electric discharge, impact, vibration etc.) : No information available.
 - . Material to avoid : No dangerous reaction known under conditions of normal use.
 - . Hazardous Decomposition Products : No information available.
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11. Toxicological information

. Principle routes of exposure

Respiratory: Conclusive but not sufficient for classification.

Dermal : Conclusive but not sufficient for classification.

Eye/Skin : Conclusive but not sufficient for classification.

. Health effects

Acute toxicity : No data available.

skin corrosive or irritant : Conclusive but not sufficient for classification.

Serious eye damage or irritant : Conclusive but not sufficient for classification.

Respiratory irritability : Conclusive but not sufficient for classification.

Skin irritability : Conclusive but not sufficient for classification.

Carcinogenicity : Conclusive but not sufficient for classification.

Germ cell mutagenicity : Conclusive but not sufficient for classification.

Reproductive toxicity : Conclusive but not sufficient for classification.

Specific target organ toxicity (single exposure) : Conclusive but not sufficient for classification.

Specific target organ toxicity (repeated exposure) : Conclusive but not sufficient for classification.

Aspiration Hazard : Conclusive but not sufficient for classification.

. Numerical measures of toxicity(Acute toxicity estimates etc.) : No data available

12. Ecological information

. Ecotoxicity effects: No data available

. Residual and degradability : No data available

. Bioaccumulation : No data available

. Mobility : No data available

. Other harmful effects : No data available

13. Disposal considerations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique.

Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local,

regional or national/federal regulations.

14. Transport information

. Not regulated in the meaning of transport regulations.

IMDG : Non-hazardous for sea freight.

ADR : Non-hazardous for road transport.

RID : Non-hazardous for rail transport.

ICAO/IATA : Non-hazardous for air transport.

. UN Number : Not applicable

. UN Proper Shipping Name : Not applicable

. Transport hazard class : Not applicable

. Packing group : Not applicable

. Marine pollutant : Not applicable

. The special vehicle Safety measures : Not applicable

15. Regulatory information

. Regulation by Industrial safety and health act : Not information available

. Regulation by chemicals control act : Not information available

. Regulation by Safety control of dangerous substance act : Not information available

. Regulation by the waste control act : Not information available

. Regulation by other domestic and foreign regulatory : Not information available

16. Other information

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. Last updated : 2022-04-26

. Company Policy or Disclaimer : Bioneer Corporation makes no warranty or representation to its completeness, accuracy or currency. This material is intended for use by persons with pertinent technical skills and at their discretion and risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subject to federal, state or local laws or regulations.
