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Safety Data Sheet

1. PRODUCT INFORMATION

Product name: pOET5.1 transfer plasmid

Product code: 200106

Company undertaking Identification: Oxford Expression Technologies Ltd, BioInnovation Hub, Tonge Building, Gipsy Lane Campus, Oxford OX3 0BP, UK

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

| Chemical Name | CAS-No | EINECS-No | Weight % |
|--------------------------------|--------|-----------|----------|
| Tris-EDTA buffer solution pH 8 | - | - | 99.95 |
| pOET5.1 Vector DNA | - | - | <0.1 |

Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

Classification

The product contains no substances, which at their given concentration, are considered to be hazardous to health.

Form

Liquid

Principle routes of exposure/Potential health effects

Eyes No information available
Skin No information available
Inhalation No information available
Ingestion No information available

Specific effects

| | |
|------------------------------|--------------------------|
| Carcinogenic effects | No information available |
| Mutagenic effects | No information available |
| Reproductive toxicity | No information available |
| Sensitization | No information available |

| | |
|-----------------------------|--------------------------|
| Target organ effects | No information available |
|-----------------------------|--------------------------|

HMIS

| | |
|---------------------|---|
| Health | 0 |
| Flammability | 0 |
| Reactivity | 0 |

4. FIRST AID MEASURES

| | |
|---------------------------|---|
| Skin contact | Wash off immediately with plenty of water |
| Eye contact | Wash thoroughly with water, also under eyelids |
| Ingestion | No specific measure: never give anything by mouth to unconscious person |
| Inhalation | No specific measure: move to fresh air |
| Notes to physician | Treat symptomatically |

5. FIRE FIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Dry chemical |
| Special protective equipment for fire fighters | Wear self-contained breathing apparatus and protective suit |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------|--|
| Personal precautions | Use standard personal protective equipment |
| Methods for clean up | Soak up with inert absorbent material |

7. HANDLING AND STORAGE

| | |
|-----------------|--------------------------------------|
| Handling | No special handling advice required |
| Storage | Keep in properly labelled containers |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

| | |
|-----------------------------|---|
| Exposure limits | Unknown |
| Engineering measures | Ensure adequate ventilation in confined areas |

Personal protective equipment

| | |
|-------------------------------|---|
| Respiratory protection | In case of inadequate ventilation wear suitable respiratory equipment |
| Hand protection | Protective gloves – standard laboratory type |

| | |
|---------------------------------|---|
| Eye protection | Safety glasses with side shields |
| Skin and body protection | Lightweight protective laboratory coat |
| Hygiene measures | Wash hands before leaving laboratory and other good hygiene practices |

| | |
|--|--|
| Environmental exposure controls | Prevent product from entering the drains by appropriate disposal into biohazard waste containers |
|--|--|

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

| | |
|-------------|--------|
| Form | Liquid |
|-------------|--------|

Health & Safety and Environmental information

| | |
|----------------------|-------------------|
| Boiling point/range | data not known |
| Melting point/range | data not known |
| Flashpoint | data not known |
| Autoignition point | data not known |
| Oxidising properties | No data available |
| Water solubility | soluble |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable |
| Materials to avoid | Data not known |
| Hazardous decomposition products | Data not known |
| Polymerisation | Hazardous polymerisation does not occur |

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Main routes of exposure / potential health effects

| | |
|-------------------|--------------------------|
| Eyes | No information available |
| Skin | No information available |
| Inhalation | No information available |
| Ingestion | No information available |

Specific Effects

| | |
|------------------------------|--------------------------|
| Carcinogenic effects | No information available |
| Mutatgenic effects | No information available |
| Reproductive toxicity | No information available |
| Sensitization | No information available |

| | |
|-----------------------------|--------------------------|
| Target Organ Effects | No information available |
|-----------------------------|--------------------------|

12. ECOLOGICAL EFFECTS

| | |
|----------------------------|--------------------------|
| Ecotoxicity effects | No information available |
| Mobility | No information available |
| Biodegradation | Inherently biodegradable |
| Bioaccumulation | Does not occur |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT CONSIDERATIONS

IATA

| | |
|-----------------------------|---|
| Proper shipping name | Not classified as dangerous in the meaning of transport regulations |
| Hazard class | No information available |
| Subsidiary class | No information available |
| Packing group | No information available |
| UN-No | No information available |
| RID/ADR | Non-hazardous for road transport |
| IMDG | Non-hazardous for sea transport |

15. REGULATORY INFORMATION

This product has been classified as compliant to Regulation (EC) No. 1272/2008 (CLP) (amending Council Directives 67/548/EEC and 1999/45/EC) and Regulation (EC) 1907/2006 (REACH) (last amended by Regulation (EC) 2015/830).

16. OTHER INFORMATION

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END OF MATERIAL SAFETY DATA SHEET

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