

SAFETY DATA SHEET

1. Identification of the Substance/Preparation and of the company/ Undertaking

Product Name : XpressDNA Plasmid Kit

Kit Components : Plasmid Extraction Buffer, Plasmid MagNa Mix, Plasmid wash buffer, Plasmid Elution Buffer

Company : MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards Identification

GHS - Classification

Signal Word : Non-Hazardous

Health Hazards : Non-Hazardous

Physical Hazards : Non-Hazardous

Principle Routes of Exposure/Potential Health effects

Eyes : May cause eye irritation in susceptible persons

Skin : May cause skin irritation in susceptible persons

Inhalation : Maybe harmful by inhalation

Ingestion : Maybe harmful if swallowed

Other Effects

Carcinogenic Effects : None

Mutagenic Effects : None

Reproductive Toxicity : None

Sensitization : None

Target Organ Effects : No known effects under normal use conditions

HMIS

Health : 0

Flammability : 0

Reactivity : 0

Personal Protection : C

Note: C - Safety Glasses, Gloves, Synthetic Apron

3. Composition/Information on Ingredients

The product contains no substances which at their given concentration, are hazardous to health. However, we recommend handling all chemicals with caution.

4. First Aid Measures

| | |
|--------------------|---|
| Skin Contact | : Rinse with plenty of water. If symptoms arise, call a physician |
| Eye Contact | : Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician |
| Ingestion | : Never give anything by mouth to an unconscious person. If symptoms persist, call a physician Do not induce vomiting without medical advice. |
| Inhalation | : Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration |
| Notes to Physician | : Treat symptomatically |

5. Fire Fighting Measures

| | |
|---|---|
| Suitable extinguishing media | : Water spray. Carbon dioxide (CO2). Foam. Dry chemical |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus and protective suit |

6. Accidental Release Measures

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|---------------------------|--|
| Personal precautions | : Use personal protective equipment |
| Methods for cleaning up | : Soak up with inert absorbent material |
| Environmental precautions | : Prevent further leakage or spillage if safe to do See Section 12 for additional information |

7. Handling and Storage

| | |
|----------|--|
| Handling | : Always wear recommended Personal Protective Equipment. No special handling advice required |
| Storage | : Keep in a dry, cool, and well-ventilated place. |

8. Exposure Controls/ Personal Protection

| | |
|--|---|
| Exposure limits | : Contains no substances with occupational exposure limit values. Avoid repeated exposure |
| Engineering measures | : Ensure adequate ventilation, especially in confined areas. Equipped with eye wash facility and safety shower |
| Personal protective equipment | : Personal Protective Equipment requirements are dependent on the user institutions risk assessment and are specific to the risk assessment for each laboratory where this material may be used |
| Respiratory protection | : In case of insufficient ventilation wear suitable respiratory equipment. Not normally required if used as directed |
| Eye protection | : Safety glasses with side-shields |
| Skin and body protection | : Wear protective clothing including impervious boots, gloves, lab coat |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety practice |
| Environmental exposure controls | : Prevent product from entering drains |

9. Physical and Chemical Properties

General Information

| | |
|----------------------------|---|
| Physical State | : Liquid |
| Color | : Colorless |
| Odor | : Not applicable |
| Boiling Point/Range | : Not applicable |
| Melting Point/Range | : Not applicable |
| Flash point | : 250 ° C |
| Auto- ignition temperature | : Not applicable |
| Oxidizing properties | : Not applicable |
| Water solubility | : Soluble |
| Danger of explosion | : Does not possess any explosion hazard |

10. Stability and Reactivity

| | |
|----------------------------------|--|
| Stability | : Stable under normal temperature and pressure |
| Materials to avoid | : No dangerous reaction known under conditions of normal use |
| Hazardous decomposition Products | : None under normal use |
| Hazardous Polymerization | : Polymerization does not occur |

11. Toxicological Information

Acute Toxicity Values

| | |
|-----------------|------------------|
| Oral LD50 | : Not applicable |
| Inhalation LC50 | : Not applicable |
| Dermal LD50 | : Not applicable |

Principle Routes of Exposure/Potential Health effects

| | |
|-----------------------|--|
| Eyes | : May cause eye irritation |
| Skin | : May cause skin irritation |
| Inhalation | : May be harmful if inhaled |
| Ingestion | : May be harmful if swallowed |
| Carcinogenic Effects | : Not applicable |
| Mutagenic Effects | : Not applicable |
| Reproductive Toxicity | : Not applicable |
| Sensitization | : Not applicable |
| Target Organ Effects | : No known effects under normal use conditions |
| Embryotoxicity | : Not applicable |

12. Ecological Information

| | |
|---------------------|----------------------------|
| Ecotoxicity effects | : Not applicable |
| Mobility | : Not applicable |
| Biodegradation | : Inherently biodegradable |
| Bioaccumulation | : Does not bioaccumulate |

13. Disposal Consideration

Dispose of in accordance with local regulations and laws

14. Transport Information

IATA

Proper shipping name : Not classified as dangerous in the meaning of transport regulations
Hazard class : Not applicable
Subsidiary Class : Not applicable
Packing Group : Not applicable
Un-Number : Not applicable

15. Regulatory Information

U.S. Federal Regulations

SARA 313 : This product is not regulated by SARA

Clean Air Act, Section 112 Hazardous : This product does not contain HAPs

Air Pollutants (HAPs) (see 40 CFR 61)

U.S. State Regulations

California Proposition 65 : This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class : Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

16. Other Information

MSDS prepared by : MagGenome Technologies Pvt. Ltd.

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Disclaimer: The above information is based on our experience, knowledge, and diligent search. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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