

## SAFETY DATA SHEET

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

**Product Name** : XpressDNA Soil Kit

**Kit Components** : Solution S1, Solution S2, Solution S3, Solution S4, Solution S5, Soil MagNa Mix, Soil Wash Buffer 1, Soil Wash Buffer 2, Soil 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 (CO <sub>2</sub> ). Foam. Dry chemical
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit

## 6. Accidental Release Measures

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

<b>Exposure limits</b>	: Contains no substances with occupational exposure limit values. Avoid repeated exposure
<b>Engineering measures</b>	: Ensure adequate ventilation, especially in confined areas. Equipped with eye wash facility and safety shower
<b>Personal protective equipment</b>	: 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
<b>Environmental exposure controls</b>	: 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

<b>SARA 313</b>	: This product is not regulated by SARA
<b>Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)</b>	: This product does not contain HAPs

##### U.S. State Regulations

<b>California Proposition 65</b>	: This product does not contain chemicals listed under Proposition 65
<b>WHMIS Hazard Class</b>	: 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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