

Material Safety Data Sheet

According to 91/155 EEC



FavorPrep™ Plant Genomic DNA Extraction Mini & Maxi Kit

FAVORGEN
BIOTECH CORP.

Version 1

Processing date 03.03.2007

Printing date 03.05.2007

4. First aid measures:

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.

5. Fire fighting measures:

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6. Accidental release measures:

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7. Handling and storage:

- **Handling**
- **Information for safe handling:**
No special measures required.
No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** According to product specification
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8. Exposure controls and personal protection:

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.

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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Synthetic gloves
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

9. Physical and chemical properties:

- **General Information**
 - Form:** Liquid
 - Colour:** Colourless
 - Odour:** Odourless
- **Change in condition**
 - Melting point/Melting range:** undertermined
 - Boiling point/Boiling range:** 100°C
- **Flash point:** Not applicable
- **Self igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapour pressure at 20°C:** 23 hPa
- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** 7,0
- **Organic solvents:** 0,0 %
- **Water:** 50-100%
- **Solids content:** 10-20 %

10. Stability and reactivity:

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

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11. Toxicological information:

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

77-86-1 Tris(hydroxymethyl)aminomethane: Oral LD50 5900 mg/kg (rat)

6381-92-6 Ethylenediaminetetraacetic acid disodium salt dehydrate: Oral LD50 2000 mg/kg (rat)

151-21-3 sodium dodecyl sulphate: Oral LD50 1288 mg/kg (rat)

· **Primary irritant effect:**

· **On the skin:** No irritant effect.

· **On the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information:

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal considerations:

· **Product:**

· **Recommendation:** Hand over to hazardous waste disposers.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14. Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **Transport/Additional information:** Not dangerous according to the above specifications.

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15. Regulations

· **Safety phrases:**

Observe the general safety regulations when handling chemicals

· **National regulations**

· **Water hazard class:** Generally not hazardous for water.

16. Other information:

This information is based on our present knowledge.