

Material Safety Data Sheet

According to EC directive 2001/58/EC



FavorPrep™ Plasmid Extraction Maxi Plus Kit

FAVORGEN[®]
BIOTECH CORP.

Processing date 09.07.2019

Version 2

Printing date 09.07.2019

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION

Commercial Product Name: FavorPrep™ Plasmid Extraction Maxi Plus Kit

Supplier: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No.37, Nong-Ke Rd., Ping-Tung 908, Taiwan

Phone Number: 886-8-762-1829

Emergency telephone number: 886-8-762-1829

2. CHEMICAL CHARACTERISATION

PM1 Buffer: 1 piece(s)

Contains no hazardous substances in concentrations to be declared

PM2 Buffer: 1 piece(s)

0.1~0.5 % Sodium hydroxide; CAS-No. 1310-73-2 UN-No. 1823

0.1~0.5 % Sodium dodecylsulfate; CAS-No. 151-21-3

PM3 Buffer: 1 piece(s)

30-60 % Guanidine-hydrochloride; CAS-No. 50-01-1

PEQ Buffer: 1 piece(s)

30-60 % Guanidine-hydrochloride; CAS-No. 50-01-1

PW Buffer: 1 piece(s)

Contains no hazardous substances in concentrations to be declared

PEL Buffer: 1 piece(s)

Contains no hazardous substances in concentrations to be declared

RNase A: 1 piece(s)

Contains no hazardous substances in concentrations to be declared

3. HAZARDS IDENTIFICATION

Classification: Harmful

Warnings: Harmful by inhalation and if swallowed. Irritating to eyes and skin.

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4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.

Eye contact: Promptly wash eyes with water for at least 15 minutes, then seek medical advice.

Ingestion: Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.

Decomposition: Dangerous decomposition is not anticipated.

6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Sweep up spilled solids carefully. Dilute spilled liquids with plenty of water and adsorb.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

7. HANDLING AND STORAGE

Handling: Liquid is not inflammable. Liquid is not combustible. Open and handle vessels carefully.

Storage: Store at room temperature.

Do not store together with: No restriction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: No personal respiratory protective equipment normally required.

Eye protection: Safety glasses

Hand protection: One-way gloves

Hygiene measures: Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

PM1 Buffer

Form: Fluid

Color: Colorless

pH-value at 20°C : 7.0

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PM2 Buffer

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 9.0

PM3 Buffer

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 5.5

PEQ Buffer

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 7.0

PW Buffer

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 7.0

PEL Buffer

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 8.5

RNase A

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 7.0

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10. STABILITY AND REACTIVITY

Hazardous reactions: Reacts with acids, alkalis and oxidizing agents.

Hazardous decomposition products: Danger of toxic pyrolysis products.

11. TOXICOLOGICAL INFORMATION

PM2 Buffer

Sodium hydroxide

Toxicity (others): LD50 intraperitoneal mouse 40 mg/kg

LDLo (oral, rabbit) 500 mg/kg

Sodium dodecylsulfate

Oral toxicity: LD50 rat 1.288 mg/kg

12. ECOLOGICAL INFORMATION

Water hazard class: 1 slightly hazardous to water and ground

13. DISPOSAL CONSIDERATIONS

Waste disposal route: Used reagent can be disposed of in the waste water in accordance with local regulations.

Disposal of empty packaging: Dispose of empty packs by local recycling or waste disposal routes if necessary, clean them beforehand.

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:** Non restricted

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

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15. REGULATIONS

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Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity: None of the ingredients is listed.

Hazard symbol: Harmful

Risk phrases: irritating to eyes and skin

Product related hazard information:

The product has been classified and in accordance with directives on hazardous materials.

National regulations:

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

16. OTHER INFORMATION

This information is based on our present knowledge.