

Material Safety Data Sheet

According to EC directive 2001/58/EC



FAVORGEN[®]
BIOTECH CORP.

Processing date 01.03.2005

GEL/PCR PURIFICATION Kit

Version 1

Printing date 10.03.2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Product Name: Favorprep PCR Clean-Up Kit

Supplier: Favorgen Biotech Corp.

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

Phone Number: +886-8-762-1829

Emergency telephone number: +886-8-762-1829

2. CHEMICAL CHARACTERISATION

FAPC Buffer: 1 piece(s)

25-50 % Guanidinium thiocyanate; CAS-No. 583-84-0

Wash Buffer: 1 piece(s)

Contains no hazardous substances in concentrations to be declared

Elution Buffer: 1 piece(s)

Contains no hazardous substances in concentrations to be declared

3. HAZARDS IDENTIFICATION

Classification: Harmful

Warnings: Harmful by inhalation, in contact with skin and if swallowed.

Contact with acids liberates very toxic gas.

4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.

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

Ingestion: Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.

Decomposition: Dangerous decomposition is not anticipated.

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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

DF Buffer

Form: liquid

Miscibility with water: immiscible

pH : 4.5

Boiling Point: 110°C.

Melting Point: Decomposes

Wash Buffer

Form: liquid

Miscibility with water: immiscible

pH : 7.5

Boiling Point: 110°C.

Melting Point: Decomposes

Elution Buffer

Form: liquid

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Miscibility with water: immiscible
pH : 8.5
Boiling Point: 110°C.
Melting Point: Decomposes

10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use
Hazardous decomposition products: none

11. TOXICOLOGICAL INFORMATION

DF Buffer

Guanidinium thiocyanate

Toxicity (others): LD50 intraperitoneal mouse 300 mg/kg

12. ECOLOGICAL INFORMATION

Water hazard class: 2 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

DOT regulations:

Hazard class: -

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: NOT REGULATED AS A DANGEROUS GOOD

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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: Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.

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 2 (Self-assessment): slightly hazardous for water.

16. OTHER INFORMATION

This information is based on our present knowledge.