

Material Safety Data Sheet

According to EC directive 2001/58/EC



GEL/ PCR Purification Kit

Version 1

Processing date 10.12.2018

Printing date 10.12.2018

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Product Name: Gel/PCR Purification Kit

Supplier: TOROIVD TECHNOLOGY COMPANY LIMITED

Address: Building#10, 588 Tianxiong Road ,Pudong,Shanghai,China

Phone Number: +86-21-68030217

Emergency telephone number: +86-21-68030217

2. CHEMICAL CHARACTERISATION

FADF Buffer: 1 piece(s)

25-50 % Guanidinium thiocyanate; CAS-No. 593-84-0

Wash Buffer: 1 piece(s)

<1% TRIS BUFFER

CAS-No. 77-86-1

RTECS-No.TT2900000

<1% EDTA, DISODIUM

CAS-No. 6381-92-6

RTECS-No.AH4375000

EB Buffer: 1 piece(s)

<1% TRIS BUFFER

CAS-No. 77-86-1

RTECS-No.TT2900000

<1% EDTA, DISODIUM

CAS-No. 6381-92-6

RTECS-No.AH4375000

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.

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.

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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

FADF Buffer

Form: liquid

Miscibility with water: immiscible

pH: 4.5

Wash Buffer

Form: liquid

Miscibility with water: immiscible

pH: 7.5

Elution Buffer

Form: liquid

Miscibility with water: immiscible

pH: 8.5

10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use

Hazardous decomposition products: none

11. TOXICOLOGICAL INFORMATION

FADF Buffer

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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: -

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:

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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.