

miRCURY™ RNA Isolation Kit (Wash Solution)

SAFETY DATA SHEET

Safety Data Sheet according to (EC) No 1907/2006.

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation:

miRCURY™ RNA Isolation Kit (Wash Solution), Item# 300120

Use of the substance/preparation:

Laboratory reagent. For research use only. Not for use in in-vitro diagnostics.

Company/undertaking identification:

Exiqon A/S

Skelstedet 16 Tel: +45 - 45 66 08 88

DK-2950 Vedbæk Fax: +45 - 45 66 18 88

Emergency telephone:

+45 - 45 66 08 88

Responsible for Safety Data Sheet (e-mail):

Sara Nørgaard Sørensen, ALTox a/s (sns@altox.dk)

2. Hazards identification

ALTox a/s has concluded that the preparation is not to be classified according to directive 1999/45/EC.

Classification: -

3. Composition/Information on ingredients

| % w/w | Stofnavn | CAS | EINECS/ELINCS | Stofklassificering | Note |
|-------|---|---------|---------------|--------------------|------|
| 1 – 5 | Tris(hydroxymethyl)aminomethane (=TRIS) | 77-86-1 | 201-064-4 | Xi;R36/38 | - |

Wording of R-phrases – see section 16.

4. First-aid measures

Inhalation:

Not likely to happen. In case aerosols are inhaled, remove the person to fresh air. If needed: Seek medical advice.

Skin contact:

Remove contaminated clothing and wash with soap and water.

Eye contact:

Rinse with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion:

Rinse mouth and drink plenty of water. If needed: Seek medical advice.

Information:

Show this Safety Data Sheet to a physician or emergency ward.

5. Fire-fighting measures

Precautions against fire:

Not flammable.

Suitable extinguishing media:

Not relevant.

Hazardous combustion or decomposition products:

Not relevant.

Protective equipment:

Not relevant.

6. Accidental release measures

Personal precautions:

Use personal protective equipment - see section 8.

Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

Methods for cleaning up:

Absorb spilled liquid with paper napkins or other absorbent. Further handling of spillage - see section 13.

7. Handling and storage

Safe storage:

Store in well-closed container in a cool and well-ventilated area. Preferred storage temperature: 4°C. Long term storage temperature: -20°C.

Specific use(s):

See section 1.

8. Exposure controls/personal protection

Engineering measures (prevention of worker exposure):

Avoid contact with skin, eyes and clothes. After use wash with soap and plenty of water.

Exposure limits: -**Personal protective equipment:****Respiratory protection:**

None at normal use.

Skin protection:

Wear protective gloves of e.g. nitrile rubber. It has not been possible to find any data for breakthrough time, therefore it is recommended to change it after use.

Eye protection:

Use safety glasses if there is a risk of splashes.

Environmental exposure controls:

-

9. Physical and chemical properties

| | |
|--|-------------------------|
| Appearance: | Clear colourless liquid |
| Odour: | None |
| pH: | 8.5 |
| Boiling point / boiling range (°C): | ~ 100 |
| Melting point (°C): | ~ 0 |
| Vapour pressure (hPa at 20°C): | 2.3 |
| Density (g/ml): | ~ 1 |
| Solubility in water: | Miscible |

10. Stability and reactivity

Stability:

Stable at normal conditions. Not flammable.

Conditions to avoid:

-

Materials to avoid:

Oxidizing agents.

Hazardous decomposition products:

-

11. Toxicological information

Routes of exposure:

Gastrointestinal tract.

Acute toxicity:**Inhalation:**

Inhalation of vapours are not likely to happen. Inhalation of aerosols may cause irritation.

Skin:

Frequent contact with the skin may cause irritated skin and possibly redness and pain.

Eyes:

May cause irritation with redness and pain.

Ingestion:

Ingestion of larger amounts may cause irritation of gastrointestinal tract.

Long term toxicity:

-

12. Ecological information

Ecotoxicity:

TRIS is harmful to aquatic organisms. LC₅₀ (96h, fish) > 1,000 mg/l.

Mobility:

Miscible with water. Mobility in the aquatic systems is therefore expected.

Persistence and degradability:

TRIS is, according to computer model, expected to be readily biodegradable.

Bioaccumulative potential:

TRIS: Log K_{ow} < 1 – no significant bioaccumulation.

Other adverse effects:

-

13. Disposal considerations

Disposal should be according to local, state or national legislation. Dispose through authority facilities or pass to a chemical disposal company.

EWC-code: 16 05 09

14. Transport information

Not dangerous goods (ADR/RID).

15. Regulatory information

EC-no.: -

Danger symbol: -

Content: -

Risk- and Safety-phrases:

ALTox a/s has on the 9th of December 2008 concluded that the product is not to be classified according to directive 1999/45/EC.

Safety data sheet available for professional user on request.

Restriction on application:

-

16. Other information

R-phrases mentioned in section 2 and 3:

R 36/38: Irritating to eyes and skin.

Special training:

No special training is required. However, the user should be well instructed in the execution of his task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Further information:

Note: Wash Solution is added 50 ml ethanol (95 – 100 %) prior to use.

Based on data available for ALTox a/s on the 9th of December 2008.

The Safety Data Sheet is prepared according to REACH regulation (EC) No 1907/2006.

Edition No.:

1

Date (revision):

9th of December 2008

Changes in section(s):

-

Prepared by: ALTox a/s - Godthaabsvej 177 - 2720 Vanløse - Tel. +45 - 38 34 77 98 - Fax: +45 - 38 34 77 99 / SNS - Quality control: PW