1. IDENTIFICATION OF THE SUBSTRANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code  QP017, QP018

Product name  All-in-One™ miRNA qRT-PCR Detection Kit

Contact manufacturer

GeneCopoeia Inc.
9620 Medical Center Drive, Suite 101
Rockville, MD 20850
USA

Phone: 301-762-0888
Fax: 301-762-3888

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components
ROX reference dye  CAS.No. 7732-18-5 water

3. HAZARDS IDENTIFICATION

Emergency overview  not applicable

Information pertaining to particular dangers for man and environment  not applicable

Classification system
The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

4. FIRST AND MEASURES

General information  No special measures required.

After inhalation  Supply fresh air; consult doctor incase of complaints.

After skin contact  Generally the product does not irritate the skin.

After eye contact  Rinse opened eye for several minutes under runningwater.

After swallowing  Induce vomiting and call for medical help.

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.

Measures for cleaning/collection
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 / 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.

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 for handling chemicals should be followed.

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  Safety glasses
9. PHYSICAL AND CHEMICAL PROPERTIES

General information
Form liquid
Color Colorless
Odor Orderless

Change in condition
Melting point/melting range 0°C
Boiling point/boiling range 100°C

Flash point N/A

Danger of explosion Do not present an explosion hazard.

Vapor pressure at 20°C 23hPa

Density at 20°C 1 g/cm³

Solubility in / Miscibility with Water Fully miscible

pH-value at 20°C 7
Organic solvents 0.0 %
Water 100.0 %

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided No decomposition if used according to specifications.

Materials to be avoided
Dangerous reactions No dangerous reactions known

Dangerous products of decomposition No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Primary irritant effect
On the skin No irritant effect. On the eye

No irritant 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.
The substance is not subject to classification according to the latest version of the EU lists.

Target organs Not applicable.

12. ECOLOGICAL INFORMATION

Generally not hazardous for water.
13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

Not determined

15. REGULATORY INFORMATION

UNITED STATES:
TSCA:
This product is solely for research and development purposes only and may not be used, processed or distributed for a commercial purpose. It may only be handled by technically qualified individuals.
Prop 65 Listed Chemicals: No Prop 65 Chemicals.
No 313 Chemicals

CANADA:

DSL/NDSL: Not determined.

COMPONENT DIMETHYL SULFOXIDE
WHMIS Classification D2B

EUROPEAN UNION:
PRODUCT RISK PHRASES: None assigned.
PRODUCT SAFETY PHRASES: Not applicable.
PRODUCT CLASSIFICATION: Not classified

COMPONENT DIMETHYL SULFOXIDE
EINECS NUMBER 200-664-3

16. OTHER INFORMATION

Abbreviations
N/A - Data is not applicable or not available
SARA - Superfund and Reauthorization Act
HMIS - Hazard Material Information System
WHMIS - Workplace Hazard Materials Information System
NTP - National Toxicology Program
OSHA - Occupational Health and Safety Administration
IARC - International Agency for Research on Cancer
PROP 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986
EINECS - European Inventory of Existing Commercial Chemical Substances

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End of Safety Data Sheet