

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

Product code QP001, QP002, QP004, QP005

Product name All-in-One qPCR Mix

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 in case of complaints.

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

After eye contact Rinse opened eye for several minutes under running water.

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/collecting

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/NDL: 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

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since Invitrogen Corporation cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet