

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

**Product code** QP115, QP116

**Product name** All-in-One™ miRNA qRT-PCR Detection Kit 2.0

**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**

CO<sub>2</sub>, 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/cm<sup>3</sup>

**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

#### IATA

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard Class</b>	No information available
<b>Subsidiary Class</b>	No information available
<b>Packing group</b>	No information available
<b>UN-No</b>	UN 1845

### 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

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**End of Safety Data Sheet**