

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

**Product code** QP071, QP072, QP073, QP074, QP081, QP082, QP083, QP084

**Product name** BlazeTaq™ One-Step SYBR® Green RT-qPCR kit

**Contact manufacturer**

**GeneCopoeia Inc.**

9620 Medical Center Drive, Suite 101  
Rockville, MD 20850  
USA

Phone: 301-762-0888

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2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous/Non-hazardous Components**

SYBR Green I CAS.No 163795-75-3

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** Rinse with plenty of water. Generally, the product does not irritate the skin.

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

**After swallowing** Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

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** No data available

### Change in condition

**Melting point/melting range** °C Mixture has not been tested  
**Boiling point/boiling range** °C Mixture has not been tested

**Flash point** °C Mixture has not been tested

**Danger of explosion** Do not present an explosion hazard.

**Vapor pressure at 20°C** Mixture has not been tested

**Density at 20°C** Mixture has not been tested

**Solubility in / Miscibility with Water** Fully miscible

**pH-value at 20°C** 8.3  
**Organic solvents** 25 %  
**Water** 75 %

## 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

Sybr Green I Gel Stains is classified by the European Union as mutagen of category 3. Mutation Data: Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA102), positive with metabolic activation; Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA98, TA102), positive without metabolic activation.

**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/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**