



**PanGreen™ Universal SYBR Green Mastermix UNG**

**PanGreen™ Universal SYBR Green Mastermix UNG w High ROX**

**PanGreen™ Universal SYBR Green Mastermix UNG w Low ROX**

**Identification of the preparation / Substance and of the company**

Product Name: PanGreen™ Universal SYBR Green Mastermix UNG

PanGreen™ Universal SYBR Green Mastermix UNG w High ROX

PanGreen™ Universal SYBR Green Mastermix UNG w Low ROX

Catalog Number: QSD02-0100/QSD02-H100/QSD02-L100

Use of the preparation: For laboratory use.

Company identification: BIO-HELIX Co., LTD.

Site: <http://www.bio-helix.com>

E-mail: [info@bio-helix.com](mailto:info@bio-helix.com)

**Composition / Information on ingredients**

Ingredient:

QSD02-0100	Water	>50%	CAS#7732-18-5
	Glycerol	10-30%	CAS#56-81-5
	Triton™ X-100	<0.1%	CAS#9036-19-5
QSD02-H100	Water	>50%	CAS#7732-18-5
	Glycerol	10-30%	CAS#56-81-5
	Triton™ X-100	<0.1%	CAS#9036-19-5
	ROX I Reference Dye (High ROX Reference Dye)	<0.01%	N/A
QSD02-L100	Water	>50%	CAS#7732-18-5
	Glycerol	10-30%	CAS#56-81-5
	Triton™ X-100	<0.1%	CAS#9036-19-5
	ROX II Reference Dye (Low ROX Reference Dye)	<0.01%	CAS#7732-18-5

Other components:

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

Additional information: For the wording of the listed risk phrases refer to section 16.

**Hazards identification**

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Form: Liquid



## Principle Routes of Exposure/Potential Health effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available
Specific effects	
Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No information available
HMIS	
Health	0
Reactivity	0
Flammability	0

## First Aid Measures

Skin contact: Wash off immediately with plenty of water.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion: Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air.

Notes to physician: Treat symptomatically.

## Fire-fighting measures

Suitable extinguishing media: Dry chemical

Special protective equipment: Wear self-contained breathing apparatus and protective suit for firefighters

## Accidental release measures

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Soak up with inert absorbent material.

## Handling and storage

Handling: No special handling advice required.

Storage: Store at - 20°C. Keep in properly labelled contain.

## Exposure controls / personal protection

Occupational exposure controls

Exposure limits

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment



# Material Safety Data Sheet



Respiratory protection equipment: In case of insufficient ventilation wear suitable respiratory.

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls: Prevent product from entering drains.

## General Information

### Physical and chemical properties

Form	Liquid	
Important Health Safety and Environmental Information		
Boiling point/range	°C No data available	°F No data available
Melting point/range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

### Stability and reactivity

Stability: Stable.

Materials to avoid: No information available.

Hazardous decomposition products: No information available.

Polymerization: Hazardous polymerization does not occur.

### Toxicological information

Acute toxicity

Principle Routes of Exposure/Potential Health effects

Eyes No information available

Skin No information available

Inhalation No information available

Ingestion No information available

Specific effects

Carcinogenic effects No information available

Mutagenic effects No information available

Reproductive toxicity No information available

Sensitization No information available

Target Organ Effects No information available

### Ecological information

Ecotoxicity effects: No information available

Mobility: No information available

Biodegradation: Inherently biodegradable.



## Disposal considerations

Bioaccumulation: Does not bioaccumulate.

Dispose of in accordance with local regulations.

IATA

## Transport information

Proper shipping name Not classified as dangerous in the meaning of transport regulations

Hazard Class No information available

Subsidiary Class No information available

Packing group No information available

UN-No No information available

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.

## Regulatory information

US

Labelling according to US Regulations: Caution: Avoid contact and inhalation.

US Regulatory information: SARA LISTED: No.

EU

Labelling according to EU Guidelines: The preparation is not dangerous within the meaning of Directives 67/548/EC, 1999/45/EC, and 88/379/ECC, and is not labelled with danger symbols or indications of danger.

Canada

WHMIS classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

DSL: No.

NDSL: No.

## Other information

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 Bio-Helix Co., Ltd. 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 above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Bio-Helix Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.