

Material Safety Data Sheet

EvaGreen qPCR System-ROX Free

1. Identification of the substance/mixture and of the company/undertaking

Preparation Name:

EvaGreen qPCR System-ROX Free

Product code:

QP007-0100

Use of the preparation:

For laboratory use.

Company identification:

Genedirex, Inc.

Site: <http://www.genedirex.com>

For research use only.

Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards identification

GHS – Classification

Signal Word	Health Hazard	Physical Hazards
not hazardous	not hazardous	not hazardous

Precautionary statements

P262 - Do not get in eyes, on skin, or on clothing

P264 - Wash hands thoroughly after handling

Principle Routes of Exposure/

Potential Health effects

Eyes

May cause eye irritation with susceptible persons.

Skin

May cause skin irritation in susceptible persons. s. Components of the product may be absorbed into the body through the skin.

Inhalation

May be harmful by inhalation.

Ingestion

May be harmful if swallowed.

Specific effects

Carcinogenic effects

none

Mutagenic effects

Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

Reproductive toxicity

none

Sensitization

none

Target Organ effects

No known effects under normal use conditions.

HMIS

Health	Flammability	Reactivity
0	0	0

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
glycerol	56-81-5	200-289-5	3-7
EvaGreen	--	--	<0.1

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The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First aid measures

Skin contact Wash off immediately with plenty of water. If symptoms persist, call a physician
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
Ingestion Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions Use personal protective equipment.
Methods for cleaning up Soak up with inert absorbent material.
Environmental precautions Prevent further leakage or spillage if safe to do so. See Section 12 for additional information.

7. Handling and storage

Handling Always wear recommended Personal Protective Equipment. No special handling advice required.
Storage Keep in a dry, cool and well-ventilated place

8. Exposure controls/personal protection

Exposure limits

Chemical Name	OSHA PEL	OSHA PEL(Ceiling)	ACGIH OEL(TWA)	ACGIH OEL(STEL)
glycerol	15 mg/m ³ 5 mg/m ³	none	10 mg/m ³	none
EvaGreen	none	none	none	none

Engineering measures Ensure adequate ventilation, especially in confined areas
Personal protective equipment
Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment
Hand protection Impervious gloves.
Eye protection Safety glasses with side-shields

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Skin and body protection

Hygiene measures

Lightweight protective clothing.

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure

Controls

Prevent product from entering drains.

9. Physical and chemical properties

General Information

Form

liquid

Appearance

No information available

Odor

No information available

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

soluble

10. Stability and reactivity

Stability

Stable under normal conditions.

Materials to avoid

No dangerous reaction known under conditions of normal use

Hazardous decomposition products

No information available

polymerization

Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity

Chemical Name

LD50

LD50

LC50

(oral,rat/mouse)

(dermal,rat/rabbit)

(inhalation,rat/mouse)

glycerol

12600 mg/kg Oral

no data available

no data available

Principle Routes of Exposure/

Potential Health effects

Eyes

May cause eye irritation with susceptible persons

Skin

May cause skin irritation in susceptible persons

Components of the product may be absorbed into the body through the skin.

Inhalation

May be harmful by inhalation

Ingestion

May be harmful if swallowed.

Carcinogenic effects

none

Mutagenic effects

Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

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Reproductive toxicity none
Sensitization none
Target Organ Effects No known effects under normal use conditions.

12. Ecological information

Ecotoxicity effects Daphnia magna (Water flea)
Mobility see log Pow
Biodegradation Inherently biodegradable
Bioaccumulation Does not bioaccumulate.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
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glycerol		Daphnia 56-81-5 magna EC50>500 mg/L (24h)			logPow-1.76
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13. Ecotoxicity effects

Dispose of in accordance with local regulations

14. Transport information

IATA
 Proper shipping name Not classified as dangerous in the meaning of transport
 Hazard class none
 Subsidiary Class none
 Packing group none
 UN-No none

15. Regulatory information

Component TSCA
 glycerol 56-81-5 (3-7) Listed
 EvaGreen (<0.1) --
 U.S. Federal Regulations
 SARA 313 This product is not regulated by SARA
 Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
 This product does not contains HAPs.
 U.S. State Regulations

Chemical Name	Massachusetts s - RTK	New Jersey -RTK	Pennsylvania -RTK	Illinois - RTK	Rhode Island -RTK
glycerol	Listed		Listed		Listed
EvaGreen	--	--	--	--	--

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California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

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 GenedireX 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.

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