



Safety Data Sheet

SimplyGreen qPCR Master Mix, Low Rox

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

Preparation Name:

SimplyGreen qPCR Master Mix, Low Rox

Product code:

SQ102-0100, SQ102-0020

Use of the preparation:

For laboratory use.

Company identification:

Genedirex, Inc.

Website: www.genedirex.com

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARDS IDENTIFICATION

GHS – Classification

Signal Word Not hazardous

Health Hazard Not hazardous

Physical Hazards 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 0

Flammability 0

Reactivity 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	EINECS-No	Weight %
dimethylsulfoxide	67-68-5	200-664-3	0.1-1
glycerol	56-81-5	200-289-5	3-7
EvaGreen	--	--	<0.1
ROX I Reference Dye	--	--	<0.01



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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)
dimethylsulfoxide	none	none	none	none
glycerol	15 mg/m ³ 5 mg/m ³	none	10 mg/m ³	none
ROX I Reference	none	none	none	none
Dye				
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

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.



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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 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
dimethylsulfoxide	14500 mg/kg (Rat)	no data available	no data available
glycerol	12600 mg/kg Oral	no data available	no data available
ROX I Reference Dye Mastermix	no data available	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.
Reproductive toxicity	none
Sensitization	none
Target Organ Effects	No known effects under normal use conditions.



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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
dimethylsulfoxide 67-68-5	Skeletonema costatum EC50 12350-25500 mg/L (96 h)	Daphnia species EC50=7000 mg/L (24h)			logPow-2.03
glycerol		Daphnia 56-81-5 magna EC50>500 mg/L (24h)			logPow-1.76

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
 dimethylsulfoxide 67-68-5 (0.1-1) Listed
 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
dimethylsulfoxide	--	--	--	--	--
glycerol	Listed		Listed		Listed
EvaGreen	--	--	--	--	--
ROX I Reference Dye	--	--	--	--	--



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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

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