

Safety Data Sheet

1. Identification of Product and Company

Identification of product

Product code: CPR00001,CPR00002,CPR00003,CPR00004

Product name: QuinDye™ Terminator

Company/undertaking identification

Quintara Biosciences Inc.
625 Mt Auburn St, Suite 105
Cambridge, MA 02138
U.S.A
Tel: 1-617-943-2768

For research use only. Not for diagnostic or therapeutic uses.

2. Hazards Identification

GHS Classification

Signal Word

Not Hazardous

Health hazards

Not Hazardous

Physical hazards

Not Hazardous

Principle Routes of Exposure

Potential Health Effects

May be harmful if swallowed, absorbed through skin, or inhaled. Mildly irritating to the eyes and skin.

Specific Effects

Carcinogenic Effects: none
Mutagenic Effects: none
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 %
Glycerol	56-81-5	200-289-5	2-20%
Tris base	77-86-1	201-064-4	1-5%

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: Rinse with water for several minutes. If symptoms occur, seek physician's advice.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call 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
Tris base	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: Wear laboratory 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.

9. Physical and Chemical Properties

General Information

Form: liquid

Appearance: No information available

Odor: No information available

Boiling Point/Range: No data available

Melting Point/Range: No data available

Flash Point: No data available

Auto Ignition Temperature: No data available

Oxidizing Properties: No information available.

Water Solubility: soluble

10. Stability and Reactivity Stability:

Reactivity None known.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions Hazardous reaction has not been reported.

Conditions to avoid No information available.

Incompatible materials No dangerous reaction known under conditions of normal use.

Hazardous decomposition products No data available.

11. Toxicological Information:

Information on toxicological effects

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Glycerol	= 12600 mg/kg (Rat)	No data available	> 570mg/m ³ (Rat)
Tris base	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	No data available

Principle Routes of Exposure

Potential Health Effects

May be harmful if swallowed, absorbed through skin, or inhaled. Mildly irritating to the eyes and skin.

Specific Effects

Carcinogenic Effects: none
 Mutagenic Effects: none
 Reproductive Toxicity: none
 Sensitization: none

Target Organ Effects: No known effects under normal use conditions

12. Ecological Information Ecotoxicity Effects:

Chemical name	Toxicity to algae	Name Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox	Data log Pow
Glycerol	No data available	Daphnia magna EC ₅₀ >500	Oncorhynchus mykiss LD ₅₀ >54,000	No data available	logPow-1.76

		mg/L (24 h)	mg/L (96 h)		
Tris base	Pseudokirchneriella subcapitata (green algae) EC ₅₀ : 397 mg/l (72 h)	Daphnia magna EC ₅₀ >980 mg/L (48 h)	Leuciscus idus LC ₅₀ >460 mg/L (96 h)	activated sludge EC ₅₀ >1000mg/L (3 h)	logPow-2.3 1

Mobility in soil: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No

13. Disposal Considerations

Waste treatment methods

The generation of waste should be minimized when possible. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local regulations.

14. Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

UN number: Not Applicable

UN proper shipping name: Not Applicable

Transport hazard class(es): Not Applicable

Packing group: Not Applicable

Environmental hazards: Not Applicable

Special precautions for user: Not Applicable

15. Regulatory Information

Component	TSCA
Glycerol 56-81-5 (2-20%)	Listed
Tris base 77-86-1 (1-5%)	Listed

US 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 contain HAPs

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. Other Information

For research use only. Not for diagnostic or therapeutic uses

"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 present unknown hazards and should be used with caution. Since the Company 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 INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

End of Safety Data Sheet