1. PRODUCT AND COMPANY IDENTIFICATION

Product code 95048-025, 95048-100, 95048-500, 95048-096
Product name qScript™ cDNA SuperMix

Manufacturer
QUANTA BIOSCIENCES INC.
202 PERRY PKWY., SUITE 1
GAITHERSBURG, MD 20877
301-956-1670

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCEROL</td>
<td>56-81-5</td>
<td>20-50%</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Emergency Overview
Irritating to eyes. Irritating to skin.

Form
Liquid

Principal Routes of Exposure/
Potential Health Effects

- Eyes: May cause eye irritation with susceptible persons.
- Skin: May cause skin irritation in susceptible persons.
- 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
Eyes. Skin.

4. FIRST AID MEASURES

Skin contact
Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, get medical attention.

Ingestion
Never give anything by mouth to an unconscious person

Inhalation
Move to fresh air

Notes to physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
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

7. **HANDLING AND STORAGE**

**Handling**
No special handling advice required

**Storage**
Keep in properly labeled containers

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational exposure controls**

**Exposure limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL (TWA)</th>
<th>OSHA PEL (Ceiling)</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCEROL</td>
<td>-</td>
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</table>

**Engineering measures**
Ensure adequate ventilation, especially in confined areas

**Personal protective equipment**

- **Respiratory protection**
  In case of insufficient ventilation, wear suitable respiratory equipment
- **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

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**General Information**

- **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

10. **STABILITY AND REACTIVITY**

**Stability**
Stable

**Materials to avoid**
No information available

**Hazardous decomposition products**
No information available

**Polymerization**
Hazardous polymerization does not occur

11. **TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 (oral, rat/mouse)</th>
<th>LD50 (dermal, rat/rabbit)</th>
<th>LC50 (inhalation, rat/mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCEROL</td>
<td>No data available</td>
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**Principle Routes of Exposure/
Potential Health Effects

Eyes: May cause eye irritation with susceptible persons.
Skin: May cause skin irritation in susceptible persons.
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: Eyes, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: No information available
Mobility: No information available
Biodegradation: No information available
Bioaccumulation: No information available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA
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

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>PICCS</th>
<th>ENCS</th>
<th>DSL</th>
<th>NDSL</th>
<th>AICS</th>
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U.S. Federal Regulations

SARA 313
Not regulated

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

U.S. State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts - RTK</th>
<th>New Jersey - RTK</th>
<th>Pennsylvania - RTK</th>
<th>Illinois - RTK</th>
<th>Rhode Island - RTK</th>
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California Proposition 65
This product contains the following Proposition 65 chemicals:

WHMIS Hazard class:
D2B Toxic materials

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 Quanta BioSciences 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 MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

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END OF SAFETY DATA SHEET