

## 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

| Chemical Name | CAS No. | Weight % |
|---------------|---------|----------|
| GLYCEROL      | 56-81-5 | 20-50%   |

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Irritating to eyes. Irritating to skin.

**Form**  
Liquid

### Principal Routes of Exposure/

#### Potential Health Effects

|                   |                                                    |
|-------------------|----------------------------------------------------|
| <b>Eyes</b>       | May cause eye irritation with susceptible persons. |
| <b>Skin</b>       | May cause skin irritation in susceptible persons.  |
| <b>Inhalation</b> | No information available                           |
| <b>Ingestion</b>  | No information available                           |

#### Specific Effects

|                              |                          |
|------------------------------|--------------------------|
| <b>Carcinogenic effects</b>  | No information available |
| <b>Mutagenic effects</b>     | No information available |
| <b>Reproductive toxicity</b> | No information available |
| <b>Sensitization</b>         | No information available |

#### Target Organ Effects

Eyes. Skin.

## 4. FIRST AID MEASURES

|                           |                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b>       | Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.                                     |
| <b>Eye contact</b>        | Rinse thoroughly with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, get medical attention. |
| <b>Ingestion</b>          | Never give anything by mouth to an unconscious person                                                                                  |
| <b>Inhalation</b>         | Move to fresh air                                                                                                                      |
| <b>Notes to physician</b> | Treat symptomatically                                                                                                                  |

## 5. FIRE-FIGHTING MEASURES

|                                                      |                                                             |
|------------------------------------------------------|-------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                  | Dry chemical                                                |
| <b>Special protective equipment for firefighters</b> | Wear self-contained breathing apparatus and protective suit |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**  
**Methods for cleaning up**

Use personal protective equipment  
Soak up with inert absorbent material

## 7. HANDLING AND STORAGE

**Handling**  
**Storage**

No special handling advice required  
Keep in properly labeled containers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

| Chemical Name | OSHA PEL (TWA) | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|---------------|----------------|--------------------|-----------------|------------------|
| GLYCEROL      | -              | -                  | -               | -                |

**Engineering measures**

Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

Respiratory protection  
Hand protection  
Eye protection  
Skin and body protection  
Hygiene measures  
Environmental exposure controls

In case of insufficient ventilation, wear suitable respiratory equipment  
Protective gloves  
Safety glasses with side-shields  
Lightweight protective clothing  
Handle in accordance with good industrial hygiene and safety practice  
Prevent product from entering drains

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Form**

Liquid

### Important Health Safety and Environmental Information

|                                 |                             |                             |
|---------------------------------|-----------------------------|-----------------------------|
| <b>Boiling point/range</b>      | <b>°C</b> No data available | <b>°F</b> No data available |
| <b>Melting point/range</b>      | <b>°C</b> No data available | <b>°F</b> No data available |
| <b>Flash point</b>              | <b>°C</b> No data available | <b>°F</b> No data available |
| <b>Autoignition temperature</b> | <b>°C</b> No data available | <b>°F</b> No data available |
| <b>Oxidizing properties</b>     | No information available    |                             |
| <b>Water solubility</b>         | No data available           |                             |

## 10. STABILITY AND REACTIVITY

**Stability**  
**Materials to avoid**  
**Hazardous decomposition products**  
**Polymerization**

Stable  
No information available  
No information available  
Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

| Chemical Name | LD50 (oral, rat/mouse) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat/mouse) |
|---------------|------------------------|---------------------------|------------------------------|
| GLYCEROL      | 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.  |
| 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**

| Chemical Name | TSCA | PICCS | ENCS | DSL | NDSL | AICS |
|---------------|------|-------|------|-----|------|------|
| GLYCEROL      | -    | -     | -    | -   | -    | -    |

**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**

| Chemical Name | Massachusetts - RTK | New Jersey - RTK | Pennsylvania - RTK | Illinois - RTK | Rhode Island - RTK |
|---------------|---------------------|------------------|--------------------|----------------|--------------------|
| GLYCEROL      | -                   | -                | -                  | -              | -                  |

**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.

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**END OF SAFETY DATA SHEET**