

qScript XLT One-Step RT-qPCR ToughMix, Low ROX

Version 1.1

Revision Date 08/21/2015

Print Date 08/25/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : qScript XLT One-Step RT-qPCR ToughMix, Low ROX

Manufacturer or supplier's details

Company : Quanta BioSciences, Inc.
202 Perry Parkway, Suite 1
Gaithersburg, MD 20877
USA

Telephone : + 1 301-956-1670

Responsible Department : Quanta BioSciences, Inc.
202 Perry Parkway, Suite 1
Gaithersburg, MD 20877, USA
Phone: +1 800-364-2149
Fax: +1 301-956-1681
Tech Service: technical.support@quantabio.com

E-mail : technical.support@quantabio.com

addressResponsible/issuing
person

Emergency telephone : CHEMTREC
USA & Canada 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Laboratory chemicals

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Potential Health Effects

Aggravated Medical : None known.
Condition

Symptoms of Overexposure : No information available.

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Carcinogenicity:**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration [%]
propane-1,2-diol	57-55-6	>= 1 - < 5
glycerol	56-81-5	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
Rinse mouth with water.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : No information available.

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SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting : Exposure to decomposition products may be a hazard to health.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : In the event of fire and/or explosion do not breathe fumes.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propane-1,2-diol	57-55-6	TWA	10 mg/m ³	US WEEL
glycerol	56-81-5	TWA (mist,	5 mg/m ³	OSHA Z-1

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		respirable fraction)		
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Total)	10 mg/m3	OSHA P0
		TWA (Respirable fraction)	5 mg/m3	OSHA P0
		TWA	10 mg/m3	ACGIH

Personal protective equipment
Hand protection
Remarks

: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection

: Safety glasses

Skin and body protection

: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals

Hygiene measures

: Keep away from food and drink.
When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance

: liquid

Color

: No data available

Odor

: No data available

Odor Threshold

: No data available

pH

: No data available

Melting point/range

: No data available

Boiling point/boiling range

: No data available

Flash point

: No data available

Evaporation rate

: No data available

Burning rate

: No data available

Upper explosion limit

: No data available

Lower explosion limit

: No data available

Vapor pressure

: No data available

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Relative vapor density	: No data available
Relative density	: No data available
Density	: No data available
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions.
Conditions to avoid	: No data available
Incompatible materials	: No data available
Hazardous decomposition products	: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

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Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Ingredients:**propane-1,2-diol :**

Acute oral toxicity : LD50 Oral Rat: 20,000 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 20,800 mg/kg

glycerol :

Acute oral toxicity : LD50 Oral Rat: 12,000 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 10,000 mg/kg

Skin corrosion/irritation**Product:**

May cause skin irritation in susceptible persons.

Ingredients:**glycerol:**

Species: Rabbit

Exposure time: 24 h

Result: Mild skin irritation

Serious eye damage/eye irritation**Product:**

Remarks:

May irritate eyes.

Ingredients:**glycerol:**

Species: Rabbit

Exposure time: 24 h

Result: Mild eye irritation

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

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No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

Further information

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : No data available

Toxicity to algae : No data available

Toxicity to bacteria : No data available

Ingredients:**propane-1,2-diol :**Toxicity to fish : NOEC (Pimephales promelas (fathead minnow)): 52,930 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
aquatic invertebrates Exposure time: 48 h**glycerol :**Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): > 250 mg/l
Exposure time: 48 h**Persistence and degradability**

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No data available

Bioaccumulative potential**Product:**

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

Domestic regulation**49 CFR**

Not regulated as a dangerous good

Special precautions for user :

Remarks : Not classified as dangerous in the meaning of transport regulations.

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SECTION 15. REGULATORY INFORMATION

TSCA list : Not relevant
Not relevant
OSHA Hazards : No OSHA Hazards
EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)
ammonium chloride	12125-02-9	5000

SARA 304 Extremely Hazardous Substances Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)
sodium azide	26628-22-8	1000

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

propane-1,2-diol	57-55-6
glycerol	56-81-5

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

ammonium chloride	12125-02-9
sodium hydroxide	1310-73-2

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

ammonium chloride	12125-02-9
sodium hydroxide	1310-73-2

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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US State Regulations**Massachusetts Right To Know**

glycerol	56-81-5
sodium azide	26628-22-8

Pennsylvania Right To Know

water	7732-18-5
xylite	87-99-0
.alpha.-D-Glucopyranoside, .alpha.-D-glucopyranosyl, dihydrate	6138-23-4
propane-1,2-diol	57-55-6
glycerol	56-81-5
ammonium chloride	12125-02-9

New Jersey Right To Know

water	7732-18-5
xylite	87-99-0
.alpha.-D-Glucopyranoside, .alpha.-D-glucopyranosyl, dihydrate	6138-23-4
propane-1,2-diol	57-55-6
glycerol	56-81-5

California Prop 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

ethanol	64-17-5
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WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

ethanol	64-17-5
methanol	67-56-1

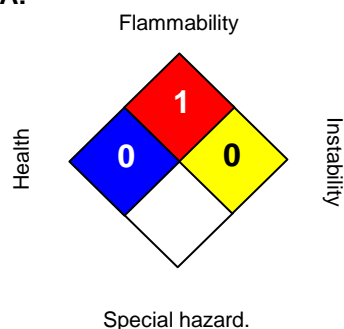
SECTION 16. OTHER INFORMATION

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Further information**NFPA:**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.