

# SAFETY DATA SHEET



Baculovirus QPCR Quantification Kit , Part Number 930492

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : Baculovirus QPCR Quantification Kit , Part Number 930492  
**Part No. (Kit)** : 930492  
**Part No.** : RNase-Free Water 930492-53  
Primer/Probe Mix 930492-52  
Lyophilized  
2X Brilliant II QPCR Low 930492-51  
Rox Master Mix  
OET Lysis Buffer 100602

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Analytical reagent.	
RNase-Free Water	2 x 1.9 ml
Primer/Probe Mix Lyophilized	< 0.1 mg
2X Brilliant II QPCR Low Rox Master Mix	1.3 ml
OET Lysis Buffer	1 ml

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : RNase-Free Water Mono-constituent substance  
Primer/Probe Mix Mixture  
Lyophilized  
2X Brilliant II QPCR Low Mixture  
Rox Master Mix  
OET Lysis Buffer Mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

#### OET Lysis Buffer

H302 ACUTE TOXICITY (oral) - Category 4  
H315 SKIN CORROSION/IRRITATION - Category 2  
H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  
H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

**Ingredients of unknown ecotoxicity** : OET Lysis Buffer Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%

**Date of issue/Date of revision** : 27/10/2016

## SECTION 2: Hazards identification

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

#### Hazard pictograms



#### Signal word

: RNase-Free Water No signal word.  
 Primer/Probe Mix No signal word.  
 Lyophilized  
 2X Brilliant II QPCR Low No signal word.  
 Rox Master Mix  
 OET Lysis Buffer Danger

#### Hazard statements

: RNase-Free Water No known significant effects or critical hazards.  
 Primer/Probe Mix No known significant effects or critical hazards.  
 Lyophilized  
 2X Brilliant II QPCR Low No known significant effects or critical hazards.  
 Rox Master Mix  
 OET Lysis Buffer **GHS05** -  
 Causes serious eye damage.  
**GHS07** -  
 Harmful if swallowed.  
 Causes skin irritation.  
 May cause respiratory irritation.

#### Precautionary statements

##### Prevention

: RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer P280 - Wear protective gloves. Wear eye or face protection.  
 P261 - Avoid breathing vapour.

##### Response

: RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer P304 + P340 - IF INHALED: Remove person to fresh air and  
 keep comfortable for breathing.  
 P305 + P310 - IF IN EYES: Immediately call a POISON  
 CENTER or physician.

##### Storage

: RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer P405 - Store locked up.

##### Disposal

: RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer P501 - Dispose of contents and container in accordance  
 with all local, regional, national and international regulations.

#### Hazardous ingredients

: OET Lysis Buffer - Proprietary Lysis solution

## SECTION 2: Hazards identification

**Supplemental label elements** : RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer Not applicable.

### Special packaging requirements

**Tactile warning of danger** : RNase-Free Water Not applicable.  
 Primer/Probe Mix Not applicable.  
 Lyophilized  
 2X Brilliant II QPCR Low Not applicable.  
 Rox Master Mix  
 OET Lysis Buffer Not applicable.

### 2.3 Other hazards

**Other hazards which do not result in classification** : RNase-Free Water None known.  
 Primer/Probe Mix None known.  
 Lyophilized  
 2X Brilliant II QPCR Low None known.  
 Rox Master Mix  
 OET Lysis Buffer None known.

## SECTION 3: Composition/information on ingredients

**3.1 Substances** : RNase-Free Water Mono-constituent substance  
 Primer/Probe Mix Lyophilized Mixture  
 2X Brilliant II QPCR Low Rox Mixture  
 Master Mix  
 OET Lysis Buffer Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
<b>RNase-Free Water</b> Water	EC: 231-791-2 CAS: 7732-18-5	100	Not classified.	[A]
<b>2X Brilliant II QPCR Low Rox Master Mix</b> Glycerol	EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	[2]
<b>OET Lysis Buffer</b> Proprietary Lysis solution	-	≥90	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335  <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type

## SECTION 3: Composition/information on ingredients

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [A] Constituent
- [B] Impurity
- [C] Stabilising additive

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Eye contact</b>	: RNase-Free Water	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Primer/Probe Mix Lyophilized	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	2X Brilliant II QPCR Low Rox Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	OET Lysis Buffer	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
<b>Inhalation</b>	: RNase-Free Water	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Primer/Probe Mix Lyophilized	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	2X Brilliant II QPCR Low Rox Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	OET Lysis Buffer	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Skin contact</b>	: RNase-Free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Primer/Probe Mix Lyophilized	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	2X Brilliant II QPCR Low Rox Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	OET Lysis Buffer	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before

**SECTION 4: First aid measures**

<b>Ingestion</b>	: RNase-Free Water	removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Primer/Probe Mix Lyophilized	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	2X Brilliant II QPCR Low Rox Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	OET Lysis Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Protection of first-aiders</b>	: RNase-Free Water	No action shall be taken involving any personal risk or without suitable training.
	Primer/Probe Mix Lyophilized	No action shall be taken involving any personal risk or without suitable training.
	2X Brilliant II QPCR Low Rox Master Mix	No action shall be taken involving any personal risk or without suitable training.
	OET Lysis Buffer	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**4.2 Most important symptoms and effects, both acute and delayed**

Potential acute health effects

<b>Eye contact</b>	: RNase-Free Water	No known significant effects or critical hazards.
	Primer/Probe Mix Lyophilized	No known significant effects or critical hazards.
	2X Brilliant II QPCR Low Rox Master Mix	No known significant effects or critical hazards.
	OET Lysis Buffer	Causes serious eye damage.

## SECTION 4: First aid measures

<b>Inhalation</b>	:	RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
		2X Brilliant II QPCR Low	No known significant effects or critical hazards.
		Rox Master Mix	
<b>Skin contact</b>	:	OET Lysis Buffer	May cause respiratory irritation.
		RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
		2X Brilliant II QPCR Low	No known significant effects or critical hazards.
<b>Ingestion</b>	:	Rox Master Mix	Causes skin irritation.
		OET Lysis Buffer	
		RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
	:	2X Brilliant II QPCR Low	No known significant effects or critical hazards.
		Rox Master Mix	
		OET Lysis Buffer	Harmful if swallowed.

### Over-exposure signs/symptoms

<b>Eye contact</b>	:	RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
		2X Brilliant II QPCR Low	No specific data.
		Rox Master Mix	
<b>Inhalation</b>	:	OET Lysis Buffer	Adverse symptoms may include the following: pain watering redness
		RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
		2X Brilliant II QPCR Low	No specific data.
<b>Skin contact</b>	:	Rox Master Mix	Adverse symptoms may include the following: respiratory tract irritation coughing
		OET Lysis Buffer	
		RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
<b>Ingestion</b>	:	2X Brilliant II QPCR Low	No specific data.
		Rox Master Mix	
		OET Lysis Buffer	Adverse symptoms may include the following: pain or irritation redness blistering may occur
		RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	:	RNase-Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Primer/Probe Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		Lyophilized	
		2X Brilliant II QPCR Low	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Rox Master Mix	

## SECTION 4: First aid measures

	OET Lysis Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: RNase-Free Water	No specific treatment.
	Primer/Probe Mix	No specific treatment.
	Lyophilized	
	2X Brilliant II QPCR Low	No specific treatment.
	Rox Master Mix	
	OET Lysis Buffer	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: RNase-Free Water	Use an extinguishing agent suitable for the surrounding fire.
	Primer/Probe Mix	Use an extinguishing agent suitable for the surrounding fire.
	Lyophilized	
	2X Brilliant II QPCR Low	Use an extinguishing agent suitable for the surrounding fire.
	Rox Master Mix	
	OET Lysis Buffer	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: RNase-Free Water	None known.
	Primer/Probe Mix	None known.
	Lyophilized	
	2X Brilliant II QPCR Low	None known.
	Rox Master Mix	
	OET Lysis Buffer	None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Hazards from the substance or mixture</b>	: RNase-Free Water	In a fire or if heated, a pressure increase will occur and the container may burst.
	Primer/Probe Mix	No specific fire or explosion hazard.
	Lyophilized	
	2X Brilliant II QPCR Low	In a fire or if heated, a pressure increase will occur and the container may burst.
	Rox Master Mix	
	OET Lysis Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous combustion products</b>	: RNase-Free Water	No specific data.
	Primer/Probe Mix	Decomposition products may include the following materials:
	Lyophilized	carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
	2X Brilliant II QPCR Low	Decomposition products may include the following materials:
	Rox Master Mix	carbon dioxide carbon monoxide
	OET Lysis Buffer	No specific data.

### 5.3 Advice for firefighters

<b>Special precautions for fire-fighters</b>	: RNase-Free Water	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Primer/Probe Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Lyophilized	
	2X Brilliant II QPCR Low	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Rox Master Mix	
	OET Lysis Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## SECTION 5: Firefighting measures

<b>Special protective equipment for fire-fighters</b>	: RNase-Free Water	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Primer/Probe Mix Lyophilized	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	2X Brilliant II QPCR Low Rox Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	OET Lysis Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: RNase-Free Water	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Primer/Probe Mix Lyophilized	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	2X Brilliant II QPCR Low Rox Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	OET Lysis Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: RNase-Free Water	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Primer/Probe Mix Lyophilized	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	2X Brilliant II QPCR Low Rox Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	OET Lysis Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and



## SECTION 6: Accidental release measures

unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: RNase-Free Water	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Primer/Probe Mix Lyophilized	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
2X Brilliant II QPCR Low Rox Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
OET Lysis Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

#### Methods for cleaning up

: RNase-Free Water	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Primer/Probe Mix Lyophilized	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
2X Brilliant II QPCR Low Rox Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
OET Lysis Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

: RNase-Free Water	Put on appropriate personal protective equipment (see Section 8).
Primer/Probe Mix Lyophilized	Put on appropriate personal protective equipment (see Section 8).
2X Brilliant II QPCR Low Rox Master Mix	Put on appropriate personal protective equipment (see Section 8).
OET Lysis Buffer	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## SECTION 7: Handling and storage

### Advice on general occupational hygiene

: RNase-Free Water

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Primer/Probe Mix  
Lyophilized

2X Brilliant II QPCR Low  
Rox Master Mix

OET Lysis Buffer

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

: RNase-Free Water

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Do not store above the following temperature: -20°C (-4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Primer/Probe Mix  
Lyophilized

2X Brilliant II QPCR Low  
Rox Master Mix

OET Lysis Buffer

## SECTION 7: Handling and storage

### 7.3 Specific end use(s)

<b>Recommendations</b>	:	RNase-Free Water Primer/Probe Mix Lyophilized 2X Brilliant II QPCR Low Rox Master Mix OET Lysis Buffer	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	:	RNase-Free Water Primer/Probe Mix Lyophilized 2X Brilliant II QPCR Low Rox Master Mix OET Lysis Buffer	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
2X Brilliant II QPCR Low Rox Master Mix Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Skin protection

**SECTION 8: Exposure controls/personal protection**

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**Appearance

<b>Physical state</b>	: RNase-Free Water	Liquid.
	Primer/Probe Mix	Solid.
	Lyophilized	
	2X Brilliant II QPCR	Liquid.
	Low Rox Master Mix	
<b>Colour</b>	OET Lysis Buffer	Liquid. [Viscous liquid.]
	: RNase-Free Water	Colourless.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
<b>Odour</b>	Low Rox Master Mix	
	OET Lysis Buffer	Colourless.
	: RNase-Free Water	Odourless.
	Primer/Probe Mix	Not available.
	Lyophilized	
<b>Odour threshold</b>	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	Not available.
	Primer/Probe Mix	Not available.
<b>pH</b>	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	7
<b>Melting point/freezing point</b>	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.

**SECTION 9: Physical and chemical properties**

<b>Initial boiling point and boiling range</b>	: RNase-Free Water	100°C
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
<b>Flash point</b>	OET Lysis Buffer	Not available.
	: RNase-Free Water	Not applicable.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
<b>Evaporation rate</b>	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	Not available.
	Primer/Probe Mix	Not available.
	Lyophilized	
<b>Flammability (solid, gas)</b>	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	Not applicable.
	Primer/Probe Mix	Not available.
<b>Upper/lower flammability or explosive limits</b>	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	Not available.
<b>Vapour pressure</b>	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
<b>Vapour density</b>	: RNase-Free Water	3.2 kPa [room temperature]
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
<b>Relative density</b>	OET Lysis Buffer	Not available.
	: RNase-Free Water	0.62 [Air = 1]
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
<b>Solubility(ies)</b>	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	1
	Primer/Probe Mix	Not available.
	Lyophilized	
<b>Partition coefficient: n-octanol/water</b>	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	Easily soluble in the following materials: cold water and hot water.
	Primer/Probe Mix	Soluble in the following materials: cold water and hot water.
	Lyophilized	
	2X Brilliant II QPCR	Easily soluble in the following materials: cold water and hot water.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.
	: RNase-Free Water	-1.38
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.

**SECTION 9: Physical and chemical properties**

<b>Auto-ignition temperature</b>	: RNase-Free Water	Not applicable.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
<b>Decomposition temperature</b>	: RNase-Free Water	>1200°C
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
<b>Viscosity</b>	: RNase-Free Water	Not available.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
<b>Explosive properties</b>	: RNase-Free Water	Not applicable.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
<b>Oxidising properties</b>	: RNase-Free Water	Not applicable.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR	Not available.
	Low Rox Master Mix	
	OET Lysis Buffer	Not available.

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	: RNase-Free Water	No specific test data related to reactivity available for this product or its ingredients.
	Primer/Probe Mix	No specific test data related to reactivity available for this product or its ingredients.
	Lyophilized	
	2X Brilliant II QPCR Low	No specific test data related to reactivity available for this product or its ingredients.
	Rox Master Mix	
	OET Lysis Buffer	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: RNase-Free Water	The product is stable.
	Primer/Probe Mix	The product is stable.
	Lyophilized	
	2X Brilliant II QPCR Low	The product is stable.
	Rox Master Mix	
	OET Lysis Buffer	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: RNase-Free Water	Under normal conditions of storage and use, hazardous reactions will not occur.
	Primer/Probe Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	Lyophilized	
	2X Brilliant II QPCR Low	Under normal conditions of storage and use, hazardous reactions will not occur.
	Rox Master Mix	
	OET Lysis Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.

## SECTION 10: Stability and reactivity

<b>10.4 Conditions to avoid</b>	: RNase-Free Water Primer/Probe Mix Lyophilized 2X Brilliant II QPCR Low Rox Master Mix OET Lysis Buffer	No specific data. No specific data. No specific data. No specific data. No specific data.
<b>10.5 Incompatible materials</b>	: RNase-Free Water Primer/Probe Mix Lyophilized 2X Brilliant II QPCR Low Rox Master Mix OET Lysis Buffer	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
<b>10.6 Hazardous decomposition products</b>	: RNase-Free Water Primer/Probe Mix Lyophilized 2X Brilliant II QPCR Low Rox Master Mix OET Lysis Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not available.

#### Acute toxicity estimates

Route	ATE value
OET Lysis Buffer Oral	1000 mg/kg

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
OET Lysis Buffer Proprietary Lysis solution	Category 3	Not applicable.	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

#### Information on likely routes of exposure

: RNase-Free Water Primer/Probe Mix Lyophilized 2X Brilliant II QPCR Low Rox Master Mix OET Lysis Buffer	Not available. Not available. Routes of entry anticipated: Dermal. Routes of entry anticipated: Oral, Dermal, Inhalation.
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#### Potential acute health effects

**SECTION 11: Toxicological information**

<b>Inhalation</b>	:	RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
		2X Brilliant II QPCR Low	No known significant effects or critical hazards.
		Rox Master Mix	
<b>Ingestion</b>	:	RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
		2X Brilliant II QPCR Low	No known significant effects or critical hazards.
		Rox Master Mix	
<b>Skin contact</b>	:	RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
		2X Brilliant II QPCR Low	No known significant effects or critical hazards.
		Rox Master Mix	
<b>Eye contact</b>	:	RNase-Free Water	No known significant effects or critical hazards.
		Primer/Probe Mix	No known significant effects or critical hazards.
		Lyophilized	
		2X Brilliant II QPCR Low	No known significant effects or critical hazards.
		Rox Master Mix	
	OET Lysis Buffer	Causes serious eye damage.	

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Inhalation</b>	:	RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
		2X Brilliant II QPCR Low	No specific data.
		Rox Master Mix	
	OET Lysis Buffer	Adverse symptoms may include the following: respiratory tract irritation coughing	
<b>Ingestion</b>	:	RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
		2X Brilliant II QPCR Low	No specific data.
		Rox Master Mix	
	OET Lysis Buffer	Adverse symptoms may include the following: stomach pains	
<b>Skin contact</b>	:	RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
		2X Brilliant II QPCR Low	No specific data.
		Rox Master Mix	
	OET Lysis Buffer	Adverse symptoms may include the following: pain or irritation redness blistering may occur	
<b>Eye contact</b>	:	RNase-Free Water	No specific data.
		Primer/Probe Mix	No specific data.
		Lyophilized	
		2X Brilliant II QPCR Low	No specific data.
		Rox Master Mix	
	OET Lysis Buffer	Adverse symptoms may include the following: pain watering redness	

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure**



**SECTION 11: Toxicological information**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

<b>General</b>	: RNase-Free Water	No known significant effects or critical hazards.
	Primer/Probe Mix	No known significant effects or critical hazards.
	Lyophilized	
	2X Brilliant II QPCR Low	No known significant effects or critical hazards.
	Rox Master Mix	
<b>Carcinogenicity</b>	OET Lysis Buffer	No known significant effects or critical hazards.
	: RNase-Free Water	No known significant effects or critical hazards.
	Primer/Probe Mix	No known significant effects or critical hazards.
	Lyophilized	
	2X Brilliant II QPCR Low	No known significant effects or critical hazards.
<b>Mutagenicity</b>	Rox Master Mix	
	OET Lysis Buffer	No known significant effects or critical hazards.
	: RNase-Free Water	No known significant effects or critical hazards.
	Primer/Probe Mix	No known significant effects or critical hazards.
	Lyophilized	
<b>Teratogenicity</b>	2X Brilliant II QPCR Low	No known significant effects or critical hazards.
	Rox Master Mix	
	OET Lysis Buffer	No known significant effects or critical hazards.
	: RNase-Free Water	No known significant effects or critical hazards.
	Primer/Probe Mix	No known significant effects or critical hazards.
<b>Developmental effects</b>	Lyophilized	
	2X Brilliant II QPCR Low	No known significant effects or critical hazards.
	Rox Master Mix	
	OET Lysis Buffer	No known significant effects or critical hazards.
	: RNase-Free Water	No known significant effects or critical hazards.
<b>Fertility effects</b>	Primer/Probe Mix	No known significant effects or critical hazards.
	Lyophilized	
	2X Brilliant II QPCR Low	No known significant effects or critical hazards.
	Rox Master Mix	
	OET Lysis Buffer	No known significant effects or critical hazards.
<b>Other information</b>	: RNase-Free Water	Not available.
	Primer/Probe Mix	Not available.
	Lyophilized	
	2X Brilliant II QPCR Low	Not available.
	Rox Master Mix	
	OET Lysis Buffer	Not available.

**SECTION 12: Ecological information****12.1 Toxicity**

**Conclusion/Summary** : Not available.

**12.2 Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
RNase-Free Water Water	-	100 % - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
RNase-Free Water Water	-	-	Readily

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
RNase-Free Water Water	-1.38	-	low

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

**12.5 Results of PBT and vPvB assessment**

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

### Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	<b>:</b> RNase-Free Water	Not applicable.
	Primer/Probe Mix	Not applicable.
	Lyophilized	
	2X Brilliant II QPCR Low	Not applicable.
	Rox Master Mix	
	OET Lysis Buffer	Not applicable.

#### Other EU regulations

**Europe inventory** : Not determined.

##### Ozone depleting substances (1005/2009/EU)

Not listed.

##### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

##### Seveso Directive

This product is not controlled under the Seveso Directive.

#### International regulations

##### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

##### Montreal Protocol (Annexes A, B, C, E)

Not listed.

##### Stockholm Convention on Persistent Organic Pollutants

Not listed.

##### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

##### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

#### International lists

##### National inventory

**Australia** : Not determined.

**Canada** : Not determined.

## SECTION 15: Regulatory information

<b>China</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
<b>OET Lysis Buffer</b> Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	Calculation method Calculation method Calculation method Calculation method

### Full text of abbreviated H statements

<b>OET Lysis Buffer</b> H302 H315 H318 H335	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.
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### Full text of classifications [CLP/GHS]

<b>OET Lysis Buffer</b> Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Irrit. 2, H315 STOT SE 3, H335	ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
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**Date of issue/ Date of revision** : 27/10/2016

**Date of previous issue** : No previous validation.

**Version** : 1

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