

Version	Revision Date:	Date of la
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#### Date of last issue: 02-19-2016 Date of first issue: 02-19-2016

#### **SECTION 1. IDENTIFICATION**

Product name Product code		EvoScript Universal cDNA Master 50 rxn 07912374001
Manufacturer or supplier's		
Company name of supplier	:	ロシュ・ダイアグノスティックス株式会社
Address	:	東京都港区芝 <b>2-6-1</b> 1050014
Telephone	:	03-5443-5128
Telefax	:	03-5443-5299
Emergency telephone:		
緊急連絡先:	:	カスタマーサポートセンタ
	:	 0120-600-152 03-5443-5287 (LS)

#### Recommended use of the chemical and restrictions on use

Restrictions on use

: For professional users only.

### **SECTION 2. HAZARDS IDENTIFICATION**

#### **GHS Classification**

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section Label elements contains the resulting labelling for the kit

#### **GHS** label elements

Not a hazardous substance or mixture.

#### Other hazards

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### EvoScript Universal Buffer

#### **GHS Classification**

Not a hazardous substance or mixture.

#### **Hazardous ingredients**

No hazardous ingredients

### EvoScript Enzyme Blend

#### **GHS Classification**

Not a hazardous substance or mixture.

#### Hazardous ingredients

Chemical	name
----------	------

CAS-No.

Concentration (% w/w)



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Glycerol		56-81-5	>= 30 - < 50	

### Water

### **GHS Classification**

Not a hazardous substance or mixture. CAS-No. : 7732-18-5

### Hazardous ingredients

No hazardous ingredients

SECTION 4. FIRST AID MEASUR	ES	
General advice	:	Do not leave the victim unattended.
If inhaled	:	Move to fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	If on skin, rinse well with water.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

#### 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	:	No information available.
Further information	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



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Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
SECTION 6. ACCIDENTAL RELEA	ASI	E MEASURES
Personal precautions, protective equipment and emergency procedures	:	Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
SECTION 7. HANDLING AND STO	DR/	AGE
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
		application alea.
Conditions for safe storage	:	Electrical installations / working materials must comply with the technological safety standards.
Conditions for safe storage Technical measures/Precautions	:	Electrical installations / working materials must comply with

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EvoScript Universal Buffer

### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

# EvoScript Enzyme Blend

### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m3	OSHA P0
		TWA (Mist -	5 mg/m3	OSHA P0



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		respirable fraction)		
Water				
Ingredients with	workplace cont	ol parameters		
Contains no subs	tances with occu	ational exposure limit values.		
Engineering mea	isures :	lo data available		
Personal protect	ive equipment			
Respiratory protect	ction :	lo personal respiratory protective e equired.	equipment normally	
Hand protection				
Material	:	rotective gloves		
Remarks	:	Vear appropriate protective gloves		
Eye protection	:	Replace torn or punctured gloves promptly. Safety glasses		
Skin and body pro	otection :	rotective suit		
Hygiene measure	s :	landle in accordance with good incractice.	dustrial hygiene and safety	

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

## EvoScript Universal Buffer

Appearance	:	liquid
Color	:	colorless
Odor	:	none
Odor Threshold	:	No data available
рН	:	8.3
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (liquids)	:	Does not sustain combustion.
		The product is not flammable.
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available



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Vapor pressure	: No data availab	le
Relative vapor density	: No data availab	le
Relative density	: No data availab	le
Solubility(ies) Water solubility	: completely misc	ible
Solubility in other solv	ents : No data availab	le
Partition coefficient: n- octanol/water	: No data availab	le
Autoignition temperature	: No data availab	le
Decomposition temperatu	ire : No data availab	le
Viscosity Viscosity, dynamic	: No data availab	le
Viscosity, kinematic	: No data availab	le
Oxidizing properties	: The substance of	or mixture is not classified as oxidizing

# EvoScript Enzyme Blend

Appearance	:	liquid
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	7.5
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (liquids)	:	Does not sustain combustion.
		The product is not flammable.
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 ava	ilable
Relative density	: No data ava	ilable
Solubility(ies) Water solubility	: completely	miscible
Solubility in other solv	vents : No data ava	ilable
Partition coefficient: n- octanol/water	: No data ava	ilable
Autoignition temperature	e : No data ava	ilable
Decomposition temperat	ture : No data ava	ilable
Viscosity Viscosity, dynamic	: No data ava	ilable
Viscosity, kinematic	: No data ava	ilable
Oxidizing properties	: The substar	nce or mixture is not classified as oxidizing.

## Water

Appearance	:	liquid
Color	:	colorless
Odor	:	none
Odor Threshold	:	No data available
рН	:	7.0
Melting point/range	:	0.0 °C
Boiling point/boiling range	:	99.97 °C (1,013 hPa)
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (liquids)	:	Does not sustain combustion.
		The product is not flammable.
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	0.61 hPa (0 °C)
		23.4 hPa (20 °C)



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	3	1.7 hPa (25 °C)		
	1:	23.3 hPa (50 °C	)	
	3	85.4 hPa (75 °C	)	
	1	,013 hPa (99.97	°C)	
Relative vapor density	: N	o data available		
Relative density	: N	o data available		
Density	: 0	.999 g/cm3 (0 °0	C)	
	1	.000 g/cm3 (3.9	8 °C)	
	0	.997 g/cm3 (25	°C)	
	0	.958 g/cm3 (99.)	97 °C)	
Solubility(ies) Water solubility	: N	o data available		
Solubility in other solvents	S	20 °C) olvent: Alcohol escription: comj	pletely miscible	
Partition coefficient: n- octanol/water	: N	o data available		
Autoignition temperature	: N	o data available		
Decomposition temperature	: N	o data available		
Viscosity Viscosity, dynamic	: 0	.998 mPa.s (20	°C)	
	0	.285 mPa.s (99.	97 °C)	
Viscosity, kinematic	: N	o data available		
Oxidizing properties	: Т	he substance or	mixture is not classified as oxidizing	
Molecular weight	: 1	8.02 g/mol		

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable under recommended storage conditions. No hazards to be specially mentioned.

## SAFETY DATA SHEET



# **EvoScript Universal cDNA Master 50 rxn**

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Incompatible materials	: Strong oxidizing	agents
Hazardous decomposit products	tion : No decomposition	on if stored and applied as directed.

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

### EvoScript Universal Buffer

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information. 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.

**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

IARC

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.

#### **Reproductive toxicity**

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

#### **STOT-repeated exposure**

Not classified based on available information.

#### Aspiration toxicity

Not classified based on available information.

### EvoScript Enzyme Blend



sion	Revisi 04-21-	on Date: -2016	Date of last issue: 02-19-2016 Date of first issue: 02-19-2016
Acute toxicity Not classified bas	sed on availat	ole information.	
Ingredients:			
Glycerol:			
Acute oral toxicity	/	: LD50 Oral (F	Rat): 12,600 mg/kg
		LD50 Oral (N	Mouse): 4,090 mg/kg
Acute inhalation	toxicity		y estimate: > 30 mg/l pert judgment
Acute dermal tox	icity	: LD50 Derma	al (Rabbit): 10,000 mg/kg
Skin corrosion/i Not classified bas		ole information.	
Serious eye dan Not classified bas			
Respiratory or s	kin sensitiza	ation	
Skin sensitization		ole information.	
Respiratory sen		ole information.	
Ingredients:			
Glycerol:			
Assessment:		Mild eye irritant	, Mild respiratory irritant, No skin irritation
Germ cell mutage Not classified base		ole information.	
Carcinogenicity			
Not classified bas IARC	sed on availat	No ingredient o	f this product present at levels greater than o s identified as probable, possible or confirme gen by IARC.
OSHA			f this product present at levels greater than o s identified as a carcinogen or potential DSHA.
NTP			f this product present at levels greater than o s identified as a known or anticipated carcino

Not classified based on available information.

### STOT-single exposure

Not classified based on available information.



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#### STOT-repeated exposure

Not classified based on available information.

#### Ingredients:

#### Glycerol:

Repeated dose toxicity - : Mild eye irritant, Mild respiratory irritant, No skin irritation Assessment

#### Aspiration toxicity

Not classified based on available information.

#### Water

### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

IARC

Not classified based on available information.

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.

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.

#### **Reproductive toxicity**

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Not classified based on available information.



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### Aspiration toxicity

Not classified based on available information.

### SECTION 12. ECOLOGICAL INFORMATION

### EvoScript Universal Buffer

Ecotoxicity

- No data available
- Persistence and degradability
- No data available
- **Bioaccumulative potential**
- No data available
- Mobility in soil

No data available

Other adverse effects

### EvoScript Enzyme Blend

### Ingredients:

#### Glycerol:

Giycerol.		
Toxicity to fish	:	LC50: > 100 mg/l Exposure time: 96 h
Toxicity to algae	:	EC0 (Scenedesmus quadricauda (Green algae)): > 10,000 mg/l Exposure time: 7 d
Toxicity to fish (Chronic toxicity)	:	> 1 mg/l
Toxicity to bacteria	:	EC0 (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h
Ecotoxicology Assessment		
Acute aquatic toxicity	:	This product has no known ecotoxicological effects.
Chronic aquatic toxicity	:	This product has no known ecotoxicological effects.
Toxicity Data on Soil	:	Not expected to adsorb on soil.
Other organisms relevant to the environment	:	No data available



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Persistence and	degradability	
Ingredients:		
Glycerol:		
Biodegradability		The product is miscible in water and readily able in both water and soil. Accumulation is no
Bioaccumulative	potential	
Ingredients:		
Glycerol:		
Partition coefficien octanol/water	nt: n- : log Pow: -2	2.66
Mobility in soil		
No data available		
Other adverse eff	fects	
/ater		
Ecotoxicity		
No data available		
<b>Persistence and</b> No data available	degradability	
Bioaccumulative	potential	
No data available		
Mobility in soil		
No data available		
	fects	

Waste from residues	:	Can be disposed as waste water, when in compliance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

#### **SECTION 14. TRANSPORT INFORMATION**

### **International Regulation**

UNRTDG Not regulated as a dangerous good



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### 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 Not applicable for product as supplied.

Domestic regulation

#### 49 CFR

Not regulated as a dangerous good

### SECTION 15. REGULATORY INFORMATION

### EvoScript Universal Buffer

#### EPCRA - Emergency Planning and Community Right-to-Know

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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 neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

### **Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

#### **US State Regulations**

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know



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	Water N-(tri(hydroxymethyl)methyl)glyc	7732-18-5 ine 5704-04-1	90 - 100 % 1 - 5 %
New Jerse	y Right To Know		
	Water N-(tri(hydroxymethyl)methyl)glyc Potassium acetate	ine 5704-04-1 127-08-2	90 - 100 % 1 - 5 % 1 - 5 %
The ingred	lients of this product are reported ir	the following inventories:	
CH INV	Magnesium di( Uridine 5'-(tetra salt 2'-Deoxycytidir	nce with the inventory (acetate)Tetrahydrate ahydrogen triphosphate), 2'-d ne 5'-triphosphate disodium s nucleotide / Probe	
DSL	on the Canadia Magnesium di( 2'-Deoxyguand 2'-deoxyadeno Uridine 5'-(tetra salt 2'-Deoxycytidir	ontains the following compone an DSL nor NDSL. (acetate)Tetrahydrate osine 5'-triphosphate trisodiun sine 5'-(disodium dihydrogen ahydrogen triphosphate), 2'-d ne 5'-triphosphate disodium s nucleotide / Probe	n salt triphosphate) eoxy-, trisodiun
AICS	2'-Deoxyguand 2'-deoxyadend Uridine 5'-(tetra salt 2'-Deoxycytidir	nce with the inventory osine 5'-triphosphate trisodium sine 5'-(disodium dihydrogen ahydrogen triphosphate), 2'-d ne 5'-triphosphate disodium s nucleotide / Probe	triphosphate) eoxy-, trisodiur
NZIoC	On the invento	ry, or in compliance with the i	inventory
ENCS	Water N-(tri(hydroxyn Magnesium di( 2'-Deoxyguand 2'-deoxyadeno Uridine 5'-(tetra salt 2'-Deoxycytidir	nce with the inventory nethyl)methyl)glycine facetate)Tetrahydrate osine 5'-triphosphate trisodiun sine 5'-(disodium dihydrogen ahydrogen triphosphate), 2'-d ne 5'-triphosphate disodium s nucleotide / Probe ride	triphosphate) eoxy-, trisodiun
ISHL	Water N-(tri(hydroxyn Magnesium di( 2'-Deoxyguand 2'-deoxyadeno Uridine 5'-(tetra salt	nce with the inventory nethyl)methyl)glycine (acetate)Tetrahydrate osine 5'-triphosphate trisodiun sine 5'-(disodium dihydrogen ahydrogen triphosphate), 2'-d ne 5'-triphosphate disodium s	triphosphate) eoxy-, trisodiun



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		/ Oligonucleotide / Probe drochloride
KECI	N-(tri(h Magne Uridine salt 2'-Deo:	compliance with the inventory ydroxymethyl)methyl)glycine sium di(acetate)Tetrahydrate 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium kycytidine 5'-triphosphate disodium salt / Oligonucleotide / Probe
PICCS	N-(tri(h 2'-Deo: 2'-deo> Uridine salt 2'-Deo:	compliance with the inventory ydroxymethyl)methyl)glycine kyguanosine 5'-triphosphate trisodium salt syadenosine 5'-(disodium dihydrogen triphosphate) 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium kycytidine 5'-triphosphate disodium salt / Oligonucleotide / Probe
IECSC	2'-Deo: 2'-deo> Uridine salt 2'-Deo:	compliance with the inventory xyguanosine 5'-triphosphate trisodium salt yadenosine 5'-(disodium dihydrogen triphosphate) 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium xycytidine 5'-triphosphate disodium salt / Oligonucleotide / Probe

#### **TSCA** list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

### EvoScript Enzyme Blend

#### **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity**

Ingredients	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Edetic acid	60-00-4	5000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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.



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the This Air	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for				
Acc The	s product does not contain any idental Release Prevention (4 following chemical(s) are liste rmediate or Final VOC's (40 C Glycerol	0 CFR 68.130, Sub ed under the U.S. C	opart F).		
Cle	an Water Act				
The	e following Hazardous Substar lle 116.4A:			Section 311,	
The 117	Edetic acid following Hazardous Chemic .3:	60-00-4 als are listed under	0.003 % the U.S. CleanWater Act, Se	ection 311, Table	
	Edetic acid s product does not contain any	60-00-4 y toxic pollutants lis	0.003 % ted under the U.S. Clean Wa	ter Act Section	
	State Regulations				
Ma	ssachusetts Right To Know				
	Glycerol		56-81-5	30 - 50 %	
Per	nnsylvania Right To Know				
	Glycerol Water		56-81-5 7732-18-5	30 - 50 % 30 - 50 %	
Nev	v Jersey Right To Know				
	Glycerol Water		56-81-5 7732-18-5	30 - 50 % 30 - 50 %	
Cal	ifornia Permissible Exposur Glycerol	re Limits for Chem	ical Contaminants 56-81-5		
The	e ingredients of this product	are reported in th	e following inventories:		
СН	INV	RNase Inhibitor DNA Polymerase Reverse Transcri	e with the inventory otase 1,1,3,3,-tetra-methylbutyl-pho	enylether	
DSI	-	This product cont on the Canadian RNase Inhibitor DNA Polymerase Reverse Transcri		s that are not	
AIC	S	Not in compliance RNase Inhibitor DNA Polymerase Reverse Transcri	e with the inventory		
NZI	оС	On the inventory,	or in compliance with the inv	entory	
EN	CS	Not in compliance Water	e with the inventory		



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1,4-Dithioth 4-(2-hydrox RNase Inhit DNA Polym	reitol (DTT) yethyl)piperazin-1-ylethanesulphonic acid bitor erase
Water Tris hydroch 1,4-Dithioth 4-(2-hydrox RNase Inhil DNA Polym	reitol (DTT) yethyl)piperazin-1-ylethanesulphonic acid bitor erase
1,4-Dithioth 4-(2-hydrox RNase Inhit DNA Polym	yethyl)piperazin-1-ylethanesulphonic acid bitor erase
RNase Inhil DNA Polym	erase
RNase Inhit	erase
	04-21-2016 Tris hydroch 1,4-Dithioth 4-(2-hydrox RNase Inhit DNA Polym Reverse Tra Not in comp Water Tris hydroch 1,4-Dithioth 4-(2-hydrox RNase Inhit DNA Polym Reverse Tra Not in comp 1,4-Dithioth 4-(2-hydrox RNase Inhit DNA Polym Reverse Tra Not in comp RNase Inhit DNA Polym Reverse Tra Not in comp RNase Inhit DNA Polym Reverse Tra Not in comp RNase Inhit DNA Polym

No substances are subject to TSCA 12(b) export notification requirements.

# Water

### EPCRA - Emergency Planning and Community Right-to-Know

<b>CERCLA Reportable Quantity</b> This material does not contain any components with a CERCLA RQ.			
SARA 304 Extremely Hazardous Substances Reportable Quantity			
This material does not contain any components with a section 304 EHS RQ.			
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.		



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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 neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

#### **Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

#### **US State Regulations**

Massachusetts Right To Know		
	No components are subject to the Massachuset Know Act.	ts Right to
Pennsylvania Right To Know Water	7732-18-5	90 - 100 %
New Jersey Right To Know Water	7732-18-5	90 - 100 %
The ingredients of this product	are reported in the following inventories:	
CH INV	On the inventory, or in compliance with the inve	ntory
DSL	All components of this product are on the Canad	dian DSL
AICS	On the inventory, or in compliance with the inve	ntory
NZIoC	On the inventory, or in compliance with the inve	ntory
ENCS	Not in compliance with the inventory Water	
ISHL	Not in compliance with the inventory Water	
KECI	On the inventory, or in compliance with the inve	ntory
PICCS	On the inventory, or in compliance with the inve	ntory
IECSC	On the inventory, or in compliance with the inve	ntory

### **TSCA** list

No substances are subject to a Significant New Use Rule.



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No substances are subject to TSCA 12(b) export notification requirements.

### EvoScript Universal Buffer

#### **GHS** label elements

Not a hazardous substance or mixture. *EvoScript Enzyme Blend* 

#### GHS label elements

Not a hazardous substance or mixture. *Water* 

#### GHS label elements

Not a hazardous substance or mixture.

#### **SECTION 16. OTHER INFORMATION**

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System: GLP - Good Laboratory Practice: HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG -International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL -Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL -International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT -Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA -Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

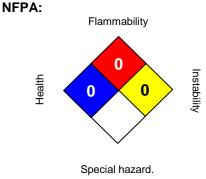


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# EvoScript Universal Buffer

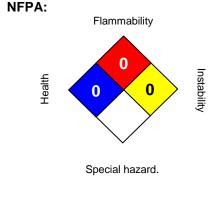


### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

4 = Extreme, \* = Chronic



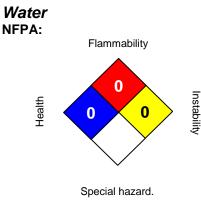
EvoScript Enzyme Blend

### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High 4 = Extreme, \* = Chronic



### HMIS III:



0 = not significant, 1 =Slight, 2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

**Revision Date** 

04-21-2016 :

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.

<sup>2 =</sup> Moderate, 3 = High



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