



# Safety Data Sheet

Issuing Date 2020-04-08

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Version 5

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** 50X Titanium® Taq DNA Polymerase Mix

### Other means of identification

**Product Code** S4684  
**Registration number** No information available

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

**Identified uses** For research use only. Not for use in diagnostic procedures.  
**Uses advised against** No information available.

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

**Supplier**

Japan:  
Takara Bio Inc.  
Nojihigashi 7-4-38  
Kusatsu, Shiga 525-0058, Japan  
Phone: +81.77.565.6972  
Web: www.takara-bio.com

China:  
Takara Biomedical Technology (Beijing) Co., Ltd.  
Life Science Park, 22 KeXueYuan Road, Changping District,  
Beijing 102206, China  
Phone: +86 10 8072 0980  
Web: www.takara.com.cn

Korea:  
Takara Korea Biomedical Inc.  
601, New T Castle, 108, Gasan Digital 2-ro, Geumcheon-gu  
Seoul 08506, Korea  
Phone: +82 2 2081 2525  
Web: www.takara.co.kr

### Emergency telephone number

**Emergency telephone** In case of emergency, call PERS (Professional Emergency Resource Services)  
1-800-633-8253 (US) or 801-629-0667 (international).

## Section 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Acute Aquatic Toxicity	Category 3
Chronic Aquatic Toxicity	Category 3

### Label elements

**Hazard Statements**

H412 - Harmful to aquatic life with long lasting effects

**Precautionary Statements - Prevention**

Avoid release to the environment.

**Precautionary Statements - Response**

• Not applicable

**Precautionary Statements - Storage**

Not applicable.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information****Hazards not otherwise classified (HNOC)** Not applicable**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****Substance / Mixture**

Chemical Name	Weight %	ENCS	ISHL No	CAS-No
Poly(oxyethylene) octylphenyl ether (IGEPAL CA-630) 9036-19-5	0.1 - 1	X	(7)-172	9036-19-5

Chemical Name	Pollutant Release and Transfer Register (Class I):	Pollutant Release and Transfer Register (Class II):
Poly(oxyethylene) octylphenyl ether (IGEPAL CA-630) 9036-19-5	408	-

**Section 4: FIRST AID MEASURES****General advice**

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation**

Move to fresh air.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes.

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Ingestion**

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Not an expected route of exposure.

**Notes to physician**

Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES****Flammable Properties**

May cause fire.

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Keep product and empty container away from heat and sources of ignition.
<b>Special Extinguishing Media</b>	Cool drums with water spray.

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	For personal protection see section 8.
<b>Environmental precautions</b>	Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: HANDLING AND STORAGE

### Handling

<b>Advice on safe handling</b>	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
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### Storage

<b>Technical measures/Storage conditions</b>	Keep container tightly closed in a dry and well-ventilated place.
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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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<b>Other information</b>	These recommendations apply to the product as supplied.
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<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
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### Personal Protective Equipment

<b>Respiratory protection</b>	None under normal use conditions.
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<b>Hand Protection</b>	Latex gloves.
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<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
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<b>Skin and body protection</b>	Wear suitable protective equipment. Boots.
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<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.
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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Clear, colorless	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH VALUE</b>	No information available	
<b>Melting point / freezing point</b>	No information available /	
<b>Boiling point/boiling range (°C)</b>	No information available	
<b>Flash point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water Solubility</b>	Not applicable	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>		
<b>Decomposition temperature</b>	No information available	
Viscosity, kinematic	No information available	
Viscosity, dynamic		
<b>Explosive properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other information**

<b>VOC Content (%)</b>	No information available
<b>Bulk Density</b>	No information available

**Section 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Stability</b>	Stable under normal conditions.
<b>Explosion Data</b>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None known based on information supplied.
<b>Hazardous Decomposition Products</b>	None under normal use conditions.

**Section 11: TOXICOLOGICAL INFORMATION****Acute toxicity****Numerical measures of toxicity - Product Information****Unknown acute toxicity**

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 63.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 63.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 63.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	19,968.00 mg/kg
ATEmix (dermal)	15,864.00 mg/kg
ATEmix (inhalation-gas)	No information available
ATEmix (inhalation-dust/mist)	No information available
ATEmix (inhalation-vapor)	No information available

#### Numerical measures of toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly(oxyethylene) octylphenyl ether (IGEPAL CA-630)	= 1700 mg/kg ( Rat ) = 4190 mg/kg ( Rat )	-	-

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

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>mutagenic effects</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Neurological effects</b>	No information available.
<b>Target Organ Effects</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

0.59263 % of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Harmful to aquatic life with long lasting effects

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Mobility</b>	No information available.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Poly(oxyethylene) octylphenyl ether (IGEPAL CA-630)	Group III Chemical	-	-

### Section 13: DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** Dispose of as hazardous waste in compliance with local and national regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

### Section 14: TRANSPORT INFORMATION

**IMDG/IMO** Not regulated

**ICAO** Not regulated

**ADR/RID** Not regulated

**ICAO/IATA** Not regulated

**Japan**

### Section 15: REGULATORY INFORMATION

**International Inventories** For research use only

**TSCA** -  
**DSL/NDSL** -  
**EINECS/ELINCS** -  
**ENCS** -  
**IECSC** -  
**KECL** -  
**PICCS** -  
**AICS** -

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

Chemical Name	Pollutant Release and Transfer Register (Class II):	Pollutant Release and Transfer Register (Class I):	Poisonous and Deleterious Substances Control Law	Restrictions on use
Poly(oxyethylene) octylphenyl ether (IGEPAL CA-630) 9036-19-5	Not Applicable	408	Not Applicable	-

### Section 16: OTHER INFORMATION

**Issuing Date** 2020-04-08  
**Revision Date** 2020-04-08  
**Revision Note** No information available.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- No information available

**Disclaimer**

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**End of Safety Data Sheet**