

Kit SDS Cover Sheet For Primary Cells

Version 2.0

Revision Date 30.06.2021

Print Date 19.04.2024

Product Information

Commercial
Product Name: 4D-Nucleofector® X Kit P3Product Name: For Primary CellsMaterial number: V4XP-3012

Components

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according to Work Health and Safety Regulations 2011

P3 Primary Cell Nucleofector™ Solution

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024			
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION					
Product name	: P3 Primary Cell Nucleofector™ Solution				
Manufacturer or supplier's details	6				
Company	: Capsugel Australia Pty Ltd. Suite 610, 12 Century Circuit, Norwest NSW 2153, Australia				
	Lonza Ltd Muenchensteinerstrasse 38 CH-4002 Basel, Switzerland				
Telephone Telefax E-mail address	: Tel +61 3 9550 0883 : Tel +61 3 9550 0890 : sds@lonza.com				
Emergency telephone number	: +41 61 313 94 94 (24h)				
Recommended use of the chemic	al and restrictions on use				
Recommended use	: For Research Use Only. Not for use in dia	gnostic procedures.			

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Not a hazardous substance or mixture. GHS label elements Not a hazardous substance or mixture. Other hazards which do not result in classification No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture Hazardous components No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled	: No special precautions required.	
In case of skin contact	: Wash with water and soap as a precaution. If skin irritation persists, call a physician.	
In case of eye contact	: Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.	
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P3 Primary Cell Nucleofector™ Solution

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If swallowed	: No hazards which require special Clean mouth with water and drink Do not induce vomiting without m If you feel unwell, seek medical a possible).	afterwards plenty of water. edical advice.
Most important symptoms and effects, both acute and delayed	: No information available.	
Notes to physician	: No information available.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Product is compatible with standard fire-fighting agents.
Hazardous combustion products	 Nitrogen oxides (NOx) Sodium oxides Carbon oxides (Cox) Phosphorus oxides (POx) Sulphur oxides (SOx)
Specific extinguishing methods	: The product is not flammable. Use water spray to cool unopened containers.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Wear personal protective equipment.
Environmental precautions	:	No special environmental precautions required.
Methods and materials for containment and cleaning up	:	After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	No special precautions required.	
Advice on safe handling	No special precautions required.	
Hygiene measures	Handle in accordance with good industrial hygiene a practice.	nd safety
Conditions for safe storage	No special storage conditions required.	



according to Work Health and Safety Regulations 2011

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	Store in cool place.	
SECTION 8. EXPOSURE CONTROL	S/PERSONAL PROTECTION	
Components with workplace c	ontrol parameters	
Contains no substances with occ	upational exposure limit values.	
Engineering measures	: Avoid splashes.	
Personal protective equipment	t i i i i i i i i i i i i i i i i i i i	
Respiratory protection	: No personal respiratory protective required.	equipment normally
Hand protection		
Material Rate of permeability	: Nitrile rubber : > 480 min	
Eye protection	: Tightly fitting safety goggles	
Skin and body protection	: Wear suitable protective clothing. No special protective equipment re	equired.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aqueous solution
Colour	:	colourless
Odour	:	odourless
Odour Threshold	:	no data available
рН	:	7,1 - 7,3
Melting point/freezing point	:	ca. 0 °C
Initial boiling point and boiling range	:	ca. 100 °C
Flash point	:	does not flash
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Upper explosion limit / upper flammability limit	:	no data available
Lower explosion limit / Lower	:	no data available
Ref. / 00000029650	;	SDK_AU / EN

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according to Work Health and Safety Regulations 2011

P3 Primary Cell Nucleofector™ Solution

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flammability limit Vapour pressure	: no data available	
Relative vapour density	: no data available	
Relative density	: no data available	
Density	: ca. 1 g/cm3	
Water solubility	: soluble	
Partition coefficient: n-octanol/water	: no data available	
Auto-ignition temperature	: no data available	
Decomposition temperature	: no data available	
Viscosity, dynamic	: no data available	
Viscosity, kinematic	: no data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable under normal conditions.
Conditions to avoid	:	no data available
Incompatible materials	:	no data available
Hazardous decomposition products	:	No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

Further information

Remarks: No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish	: Remarks: no data available	
Persistence and degradability		
Biodegradability	: Remarks: no data available	
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Bioaccumulative potential		
Bioaccumulation	: Remarks: no data available	
Mobility in soil		
Distribution among environmental compartments	: Remarks: no data available	
Other adverse effects		
Additional ecological information	: no data available	
ECTION 13. DISPOSAL CONSIDERAT	ΓIONS	
Disposal methods		
Waste from residues	: Dispose of in accordance with local	regulations.
	Not dangerous goods	
Proper shipping name Transport hazard class Packing group	Not dangerous goods Not applicable Not applicable Not applicable Not applicable Not applicable 	
ATA UN number Proper shipping name Transport hazard class Packing group Environmental hazards	Not dangerous goods Not applicable Not applicable Not applicable Not applicable no 	
ATA UN number Proper shipping name Transport hazard class Packing group Environmental hazards MDG UN number Proper shipping name Transport hazard class Packing group	Not dangerous goods Not applicable Not applicable Not applicable Not applicable Not dangerous goods Not dangerous goods Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable	



P3 Primary Cell Nucleofector™ Solution

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024
RID	: Not dangerous goods	
UN number Proper shipping name Transport hazard class Packing group Environmental hazards	 Not applicable Not applicable Not applicable Not applicable no 	
Special precautions for user	: none	
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	: Not applicable the	

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons Not applicable

SECTION 16. OTHER INFORMATION

Revision Date : 30.06.2021

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant: DIN - Standard of the German Institute for Standardisation: DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT -Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical



P3 Primary Cell Nucleofector™ Solution

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Substance Invento	ry: TDG - Transportation of Dangerous Goods: TECL -	Thailand Existing Chemicals

Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals 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; WHMIS - Workplace Hazardous Materials Information System Date format : dd.mm.yyyy

The information provided in this 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.

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Supplement 1

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024		
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION				
Product name	: Supplement 1			
Manufacturer or supplier's details				
Company	: Capsugel Australia Pty Ltd. Suite 610, 12 Century Circuit, Norwest NSW 2153, Australia			
	Lonza Ltd Muenchensteinerstrasse 38 CH-4002 Basel, Switzerland			
Telephone Telefax E-mail address	 Tel +61 3 9550 0883 Tel +61 3 9550 0890 sds@lonza.com 			
Emergency telephone number	: +41 61 313 94 94 (24h)			
Recommended use of the chemical	and restrictions on use			
Recommended use	: For Research Use Only. Not for use in diag	nostic procedures.		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Not a hazardous substance or mixture. GHS label elements Not a hazardous substance or mixture. Other hazards which do not result in classification

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture Hazardous components No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled	: No special precautions required.	
In case of skin contact	: Wash with water and soap as a precaution. If skin irritation persists, call a physician.	
In case of eye contact	: Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.	
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according to Work Health and Safety Regulations 2011



Supplement 1

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024
If swallowed	: No hazards which require special Clean mouth with water and drink Do not induce vomiting without m If you feel unwell, seek medical a possible).	< afterwards plenty of water. nedical advice.
Most important symptoms and effects, both acute and delayed	: No information available.	
Notes to physician	: No information available.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Product is compatible with standard fire-fighting agents.
Hazardous combustion products	: Chlorine Magnesium oxides Hydrogen chloride (HCI)
Specific extinguishing methods	: The product is not flammable. Use water spray to cool unopened containers.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	No special environmental precautions required.
Methods and materials for containment and cleaning up	:	After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special precautions required.
Advice on safe handling	:	No special precautions required.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage	:	No special storage conditions required. Store in cool place.

according to Work Health and Safety Regulations 2011



Supplement 1

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SECTION 8. EXPOSURE CONTRO	LS/PERSONAL PROTECTION	
Components with workplace	control parameters	
Contains no substances with or	ccupational exposure limit values.	
Engineering measures	: Avoid splashes.	
Personal protective equipment	nt	
Respiratory protection	: No personal respiratory protective e required.	quipment normally
Hand protection		
Material Rate of permeability	: Nitrile rubber : > 480 min	
Eye protection	: Tightly fitting safety goggles	
Skin and body protection	: Choose body protection according to concentration of the dangerous subs No special protective equipment req	stance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Appearance	:	Aqueous solution
	Colour	:	colourless
	Odour	:	odourless
	Odour Threshold	:	no data available
	рН	:	no data available
	Melting point/freezing point	:	ca. 0 °C
	Initial boiling point and boiling range	:	ca. 100 °C
	Flash point	:	no data available
	Evaporation rate	:	no data available
	Flammability (solid, gas)	:	no data available
	Flammability (liquids)	:	no data available
	Upper explosion limit / upper flammability limit	:	no data available
	Lower explosion limit / Lower	:	no data available
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according to Work Health and Safety Regulations 2011



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flammability limit		
Vapour pressure	: no data available	
Relative vapour density	: no data available	
Relative density	: no data available	
Density	: ca. 1 g/cm3	
Water solubility	: no data available	
Partition coefficient: n-octanol/water	: no data available	
Auto-ignition temperature	: no data available	
Decomposition temperature	: no data available	
Viscosity, dynamic	: no data available	
Viscosity, kinematic	: no data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable under normal conditions.
Conditions to avoid	:	no data available
Incompatible materials	:	no data available
Hazardous decomposition products	:	No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity Acute oral toxicity	:	Remarks: no data available
Acute inhalation toxicity		Remarks: no data available
Skin corrosion/irritation		

Remarks: no data available

Serious eye damage/eye irritation

Remarks: no data available

according to Work Health and Safety Regulations 2011



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Respiratory or skin sensitisation	1	
Remarks: no data available		
Germ cell mutagenicity		
Genotoxicity in vitro	: Remarks: no data available	
Carcinogenicity		
Remarks: no data available		
Reproductive toxicity		
Effects on fertility	: Remarks: no data available	
STOT - single exposure		
Remarks: no data available		
STOT - repeated exposure		
Remarks: no data available		
Further information		
Remarks: No data is available on t	he product itself.	
SECTION 12. ECOLOGICAL INFORM	ATION	
Ecotoxicity		
Toxicity to fish	: Remarks: no data available	
Persistence and degradability		
Biodegradability	: Result: no data available	

SECTION 13. DISPOSAL CONSIDERATIONS

Distribution among environmental

Additional ecological information

Bioaccumulative potential

Bioaccumulation

Mobility in soil

compartments

Other adverse effects

Disposal methods	
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Waste from residues

: Remarks: no data available

Remarks: no data available

: no data available

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SECTION 14. TRANSPORT INFORMATION

ΙΑΤΑ			Not dangerous goods
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards		Not applicable Not applicable Not applicable Not applicable no
IMDG			Not dangerous goods
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	: : : :	Not applicable Not applicable Not applicable Not applicable Marine pollutant: no
ADR		:	Not dangerous goods
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	: : : : : : : : : : : : : : : : : : : :	Not applicable Not applicable Not applicable Not applicable no
RID		:	Not dangerous goods
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	:	Not applicable Not applicable Not applicable Not applicable no
	Special precautions for user	:	none
	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:	Not applicable

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons Not applicable

according to Work Health and Safety Regulations 2011

Supplement 1

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SECTION 16. OTHER INFORMATION

Revision Date : 30.06.2021

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT -Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals 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; WHMIS - Workplace Hazardous Materials Information System Date format : dd.mm.vvvv

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pmaxGFP™ Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024		
SECTION 1. PRODUCT AND COMPANY	IDENTIFICATION			
Product name :	pmaxGFP™ Vector (1.0 µg/µl in 10mM Tris, p	νH 8.0; 50μg)		
Manufacturer or supplier's details				
Company	: Capsugel Australia Pty Ltd. Suite 610, 12 Century Circuit, Norwest NSW 2153, Australia			
	Lonza Ltd Muenchensteinerstrasse 38 CH-4002 Basel, Switzerland			
Telephone Telefax E-mail address	: Tel +61 3 9550 0883 : Tel +61 3 9550 0890 : sds@lonza.com			
Emergency telephone number	: +41 61 313 94 94 (24h)			
Recommended use of the chemical and restrictions on use				
Recommended use	: For Research Use Only. Not for use in diagr	ostic procedures.		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Not a hazardous substance or mixture. GHS label elements Not a hazardous substance or mixture. Other hazards which do not result in classification

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture Hazardous components No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled	: No special precautions required.	
In case of skin contact	: Wash with water and soap as a precaution. If skin irritation persists, call a physician.	
In case of eye contact	: Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.	
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pmaxGFP[™] Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024
If swallowed	: No hazards which require special f Clean mouth with water and drink a Do not induce vomiting without me If you feel unwell, seek medical ad possible).	afterwards plenty of water. dical advice.
Most important symptoms and effects, both acute and delayed	: No information available.	
Notes to physician	: No information available.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Product is compatible with standard fire-fighting agents.
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: The product is not flammable. Use water spray to cool unopened containers.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	No special environmental precautions required.
Methods and materials for containment and cleaning up	:	After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special precautions required.
Advice on safe handling	:	No special precautions required.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage	:	No special storage conditions required. Store in cool place.

according to Work Health and Safety Regulations 2011



Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024
SECTION 8. EXPOSURE CONTRO	LS/PERSONAL PROTECTION	
Components with workplace	-	
Contains no substances with oc	cupational exposure limit values.	
Engineering measures	: Avoid splashes.	
Personal protective equipmer	nt	
Respiratory protection	: No personal respiratory protective required.	equipment normally
Hand protection		
Material Rate of permeability	: Nitrile rubber : > 480 min	
Eye protection	: Tightly fitting safety goggles	
Skin and body protection	: Choose body protection according concentration of the dangerous sub No special protective equipment re	ostance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Appearance	:	Aqueous solution
	Colour	:	colourless
	Odour	:	odourless
	Odour Threshold	:	no data available
	рН	:	8,0
	Melting point/freezing point	:	ca. 0 °C
	Initial boiling point and boiling range	:	ca. 100 °C
	Flash point	:	no data available
	Evaporation rate	:	no data available
	Flammability (solid, gas)	:	no data available
	Flammability (liquids)	:	no data available
	Upper explosion limit / upper flammability limit	:	no data available
	Lower explosion limit / Lower	:	no data available
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pmaxGFP™ Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)

Version 2.0	Revision Date 30.06.2021	Print Date 19.04.2024
flammability limit		
Vapour pressure	: no data available	
Relative vapour density	: no data available	
Relative density	: no data available	
Density	: ca. 1 g/cm3	
Water solubility	: no data available	
Partition coefficient: n-octanol/water	: no data available	
Auto-ignition temperature	: no data available	
Decomposition temperature	: no data available	
Viscosity, dynamic	: no data available	
Viscosity, kinematic	: no data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.	
Chemical stability	: Stable under normal conditions.	
Possibility of hazardous reactions	: Stable under normal conditions.	
Conditions to avoid	: no data available	
Incompatible materials	: no data available	
Hazardous decomposition products	: No decomposition if stored normally.	

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity				
Acute oral toxicity	: Remarks: no data available			
Acute inhalation toxicity	: Remarks: no data available			
Acute dermal toxicity	: Remarks: no data available			

Skin corrosion/irritation

Remarks: no data available

Serious eye damage/eye irritation



pmaxGFP™ Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)

	Revision Date 30.06.2021	Print Date 19.04.202		
Remarks: no data available				
Respiratory or skin sensitisation				
Remarks: no data available				
Germ cell mutagenicity				
Genotoxicity in vitro	: Remarks: no data available			
Carcinogenicity				
Remarks: no data available				
Reproductive toxicity				
Effects on fertility	: Remarks: no data available			
STOT - single exposure				
Remarks: no data available				
STOT - repeated exposure				
Remarks: no data available				
Further information				
	Remarks: No data is available on the product itself.			
	F			
CTION 12. ECOLOGICAL INFORMA				
CTION 12. ECOLOGICAL INFORMA Ecotoxicity Toxicity to fish				
Ecotoxicity	ION			
Ecotoxicity Toxicity to fish	ION			
Ecotoxicity Toxicity to fish Persistence and degradability	TION : Remarks: no data available			
Ecotoxicity Toxicity to fish Persistence and degradability Biodegradability	TION : Remarks: no data available			
Ecotoxicity Toxicity to fish Persistence and degradability Biodegradability Bioaccumulative potential	TION : Remarks: no data available : Result: no data available			
Ecotoxicity Toxicity to fish Persistence and degradability Biodegradability Bioaccumulative potential Bioaccumulation	TION : Remarks: no data available : Result: no data available			
Ecotoxicity Toxicity to fish Persistence and degradability Biodegradability Bioaccumulative potential Bioaccumulation Mobility in soil Distribution among environmental	TION : Remarks: no data available : Result: no data available : Remarks: no data available			

SECTION 13. DISPOSAL CONSIDERATIONS

according to Work Health and Safety Regulations 2011

pmaxGFP[™] Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)

Disposal methods		Revision Date 30.06.2021	Print Date 19.04.2024
		Dispose of in accordance with loca	al regulations.
SECTIO	ON 14. TRANSPORT INFORMATION	l	
ΙΑΤΑ		Not dangerous goods	
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	 Not applicable Not applicable Not applicable Not applicable no 	
IMDG		Not dangerous goods	
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	 Not applicable Not applicable Not applicable Not applicable Marine pollutant: no 	
ADR		: Not dangerous goods	
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	 Not applicable Not applicable Not applicable Not applicable no 	
RID		: Not dangerous goods	
	UN number Proper shipping name Transport hazard class Packing group Environmental hazards	 Not applicable Not applicable Not applicable Not applicable no 	
	Special precautions for user	: none	
	Transport in bulk according to Annex II of MARPOL 73/78 and th IBC Code	: Not applicable e	

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons Not applicable



according to Work Health and Safety Regulations 2011

pmaxGFP[™] Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)

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SECTION 16. OTHER INFORMATION

Revision Date : 30.06.2021

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT -Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals 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; WHMIS - Workplace Hazardous Materials Information System Date format : dd.mm.vvvv

The information provided in this 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.

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