

## Kit SDS Cover Sheet For Primary Cells

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

---

### Product Information

Commercial : 4D-Nucleofector® X Kit P1  
Product Name  
Product name : For Primary Cells  
Material number : V4XP-1012

### Components

PBP1-00675 P1 Primary Cell Solution Box, small volume

pmaxGFP™ Vector (1.0 µg/µl in 10mM Tris, pH 8.0; 50µg)	SDS attached
Supplement 1	SDS attached
P1 Primary Cell Nucleofector™ Solution	SDS attached

**SAFETY DATA SHEET**

according to Work Health and Safety Regulations 2011

**P1 Primary Cell Nucleofector™ Solution**

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : P1 Primary Cell Nucleofector™ Solution

**Manufacturer or supplier's details**Company : Capsugel Australia Pty Ltd.  
Suite 610, 12 Century Circuit,  
Norwest NSW 2153, AustraliaLonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : 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 diagnostic 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.

**SAFETY DATA SHEET**

according to Work Health and Safety Regulations 2011

**P1 Primary Cell Nucleofector™ Solution**

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

If swallowed	: No hazards which require special first aid measures. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. If you feel unwell, seek medical advice (show the label where possible).
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	: 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 and safety practice.
Conditions for safe storage	: No special storage conditions required. Store in cool place.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### P1 Primary Cell Nucleofector™ Solution

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Avoid splashes.

##### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Material : Nitrile rubber

Rate of permeability : > 480 min

Eye protection : Tightly fitting safety goggles

Skin and body protection : Wear suitable protective clothing.  
No special protective equipment required.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aqueous solution

Colour : colourless

Odour : odourless

Odour Threshold : no data available

pH : 7,4 - 7,6

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 flammability limit : no data available

Vapour pressure : no data available

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### P1 Primary Cell Nucleofector™ Solution

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

Relative vapour density	: no data available
Relative density	: no data available
Density	: ca. 1 g/cm <sup>3</sup>
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
------------------	------------------------------

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### P1 Primary Cell Nucleofector™ Solution

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

#### 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

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

## SECTION 14. TRANSPORT INFORMATION

#### IATA

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : no

#### IMDG

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : Marine pollutant: no

#### ADR

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : no

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### P1 Primary Cell Nucleofector™ Solution

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

**RID** : Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : 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

## SECTION 16. OTHER INFORMATION

Revision Date : 30.06.2021

### Full text of other abbreviations

AIIIC - 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

**SAFETY DATA SHEET**

according to Work Health and Safety Regulations 2011

**P1 Primary Cell Nucleofector™ Solution**

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

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.**

AU / EN



**SAFETY DATA SHEET**

according to Work Health and Safety Regulations 2011

**Supplement 1**

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

**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, AustraliaLonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : 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 diagnostic 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.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Supplement 1

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

If swallowed	: No hazards which require special first aid measures. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. If you feel unwell, seek medical advice (show the label where possible).
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 (HCl)
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.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Supplement 1

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Avoid splashes.

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Material : Nitrile rubber

Rate of permeability : > 480 min

Eye protection : Tightly fitting safety goggles

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
No special protective equipment required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aqueous solution

Colour : colourless

Odour : odourless

Odour Threshold : no data available

pH : 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

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Supplement 1

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

flammability limit

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : no data available

Density : ca. 1 g/cm<sup>3</sup>

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

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Supplement 1

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

#### 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.

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxicity to fish : Remarks: no data available

#### Persistence and degradability

Biodegradability : Result: no data available

#### 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

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Supplement 1

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

#### SECTION 14. TRANSPORT INFORMATION

**IATA** Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : no

**IMDG** Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : Marine pollutant: no

**ADR** Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : no

**RID** Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : 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

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Supplement 1

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

## 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.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.**

AU / EN

**SAFETY DATA SHEET**

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

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

**Manufacturer or supplier's details**Company : Capsugel Australia Pty Ltd.  
Suite 610, 12 Century Circuit,  
Norwest NSW 2153, AustraliaLonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : 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 diagnostic 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.



## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

If swallowed	: No hazards which require special first aid measures. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. If you feel unwell, seek medical advice (show the label where possible).
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.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Avoid splashes.

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Material : Nitrile rubber

Rate of permeability : > 480 min

Eye protection : Tightly fitting safety goggles

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
No special protective equipment required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aqueous solution

Colour : colourless

Odour : odourless

Odour Threshold : no data available

pH : 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

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

flammability limit

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : no data available

Density : ca. 1 g/cm<sup>3</sup>

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

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

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.

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxicity to fish : Remarks: no data available

#### Persistence and degradability

Biodegradability : Result: no data available

#### 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

## SECTION 13. DISPOSAL CONSIDERATIONS

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

#### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

## SECTION 14. TRANSPORT INFORMATION

### IATA

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : no

### IMDG

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : Marine pollutant: no

### ADR

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : no

### RID

Not dangerous goods

UN number : Not applicable  
 Proper shipping name : Not applicable  
 Transport hazard class : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : 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

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

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

Version 2.0

Revision Date 30.06.2021

Print Date 11.05.2024

## 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.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.**

AU / EN