

# Kit SDS Cover Sheet For NK Cells

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

# **Product Information**

Commercial

: Nucleofector® 2b Kit

**Product Name** 

Product name : For NK Cells Material number : VPA-1005

# Components

Human NK Cell Nucleofector<sup>™</sup> Solution SDS attached Supplement 1 SDS attached pmaxGFP<sup>™</sup> Vector (0.5  $\mu$ g/ $\mu$ l in 10mM Tris, pH 8.0; 30 $\mu$ g) SDS attached

Ref. KT-0000466 / KT-0000466 Page 1 (22)

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according to Work Health and Safety Regulations 2011

# Human NK Cell Nucleofector™ Solution

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Human NK Cell Nucleofector™ Solution

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
 : 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.

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# **Human NK Cell Nucleofector™ Solution**

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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 : Sodium oxides

Phosphorus oxides (POx)

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

quipment and emergency

Methods and materials for containment and cleaning up

Environmental precautions

: After cleaning, flush away traces with water.

No special environmental precautions required.

Wear personal protective equipment.

# **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.

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# Human NK Cell Nucleofector™ Solution

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#### 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 : 7,2 - 7,4

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



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# **Human NK Cell Nucleofector™ Solution**

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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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# Human NK Cell Nucleofector™ Solution

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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

# **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



according to Work Health and Safety Regulations 2011



# Human NK Cell Nucleofector™ Solution

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

**RID** Not dangerous goods

> **UN** number Not applicable Proper shipping name Not applicable Not applicable **Transport hazard class** 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

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



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#### Human NK Cell Nucleofector™ Solution

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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 09.05.2024

#### **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, Australia

Lonza 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.

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# Supplement 1

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

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 (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.

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according to Work Health and Safety Regulations 2011

# Supplement 1

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

#### 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

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# **Supplement 1**

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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

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Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

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.



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# Supplement 1

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

#### **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

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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



according to Work Health and Safety Regulations 2011

# Supplement 1

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

#### **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.

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# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

#### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : pmaxGFP™ Vector (0.5 µg/µl in 10mM Tris, pH 8.0; 30µg)

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
 : 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.

according to Work Health and Safety Regulations 2011



# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

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
Environmental precautions

procedures

Methods and materials for containment and cleaning up

: After cleaning, flush away traces with water.

No special environmental precautions required.

Use personal protective equipment.

#### **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.

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according to Work Health and Safety Regulations 2011

# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

#### 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



according to Work Health and Safety Regulations 2011

# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

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

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# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

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**



according to Work Health and Safety Regulations 2011

# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

Version 2.0 Revision Date 30.06.2021 Print Date 09.05.2024

**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 applicableProper shipping name: Not applicableTransport hazard class: Not applicablePacking 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



according to Work Health and Safety Regulations 2011

# pmaxGFP™ Vector (0.5 μg/μl in 10mM Tris, pH 8.0; 30μg)

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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.yyyy

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