

# **#PK101 Encyclo Plus PCR kit**

50x Encyclo polymerase mix 10x Encyclo buffer 5x Encyclo Red buffer 2x Encyclo GC buffer dNTP mix (10 mM each) Sterile PCR water



#### SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006

Revision Date: 11.01.2021

Print Date: 30.08.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: 50x Encyclo polymerase mix

Product number: N/A

Kit name: Encyclo Plus PCR kit

Kit number: PK101 Brand: Evrogen

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, FOR RESEARCH USE ONLY

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

Company: Evrogen JSC

Miklukho-Maklaya str, 16/10, 117997, Moscow, Russia

Telephone +7(495)988-4084 Fax +7(495)988-4085

Email address: evrogen@evrogen.com

#### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

This product does not need to be labeled in accordance with EC directives or respective national laws.

## 2.3 Other hazards none

#### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1 Chemical characterization

**Description:** Solution, consisting of the following components.

| CAS-No:           | Concentration:                                 |
|-------------------|--|
| 7732-18-5         | >40%   |
| 7786-30-3         | <1%  |
| 1185-53-1         | <8%  |
|                   |  |
| 56-81-5           | <60%   |
| no data available | <1%  |
|                   | 7732-18-5<br>7786-30-3<br>1185-53-1<br>56-81-5 |

## 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### 4.3 Indication of immediate medical attention and special treatment needed

no data available

## 5. FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

## 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

## 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

# 6.2 Environmental precautions

Do not let product enter drains.

# 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For disposal see section 13.

#### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 B°C

#### 7.3 Specific end uses

No further relevant information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

## Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **Additional information**

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

## Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Colour: Colourless

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties

Appearance Form: Liquid

Odour: Characteristic
Odour threshold no data available

pH no data available
Melting/freezing point no data available
Initial boiling point and boiling range no data available
Flash point no data available

Evaporation rate no data available Flammability (solid, gas) no data available Upper/lower flammability or explosive limits no data available Vapour pressure no data available

Vapour density no data available
Relative density no data available
Water solubility no data available
Partition coefficient: noctanol/water no data available
Autoignition temperature no data available

Decomposition temperature no data available viscosity no data available Explosive properties no data available Oxidizing properties no data available no data available

## 9.2 Other safety information

no data available

#### 10. STABILITY AND REACTIVITY

# 10.1 Reactivity

no data available

#### 10.2 Chemical stability

no data available

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known

# 10.4 Conditions to avoid

no data available

# 10.5 Incompatible materials

no data available

## 10.6 Hazardous decomposition products

No dangerous decomposition products known

#### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity: no data available

Primary irritant effect on the skin: not determined Primary irritant effect on the eye: not determined

Sensitization: No sensitizing effects known.

## Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product is not subject to classification according to the latest version of the EU lists.

#### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

no data available

# 12.2 Persistence and degradability

no data available

#### 12.3 Bioaccumulative potential

no data available

# 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

# 12.6 Other adverse effects

no data available

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Product:** 

**General advice:** The product has to be disposed of as laboratory chemical in accordance with local regulations.

# **Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

#### 14. TRANSPORT INFORMATION

# 14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

# 14.2 UN proper shipping name

ADR/RID: - Not dangerous goods IMDG: - Not dangerous goods IATA: - Not dangerous goods

## 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

#### 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

#### 14.6 Special precautions for users

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

# 15.2 Chemical Safety Assessment

no data available

#### 16. OTHER INFORMATION

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Evrogen shall not be held liable for any damage resulting from handling or from contact with the above product.



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Revision Date: 11.01.2021

Print Date: 30.08.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: 10x Encyclo buffer

Product number: N/A

Kit name: Encyclo Plus PCR kit

Kit number: PK101 Brand: Evrogen

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, FOR RESEARCH USE ONLY

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

Company: Evrogen JSC

Miklukho-Maklaya str, 16/10, 117997, Moscow, Russia

Telephone +7(495)988-4084 Fax +7(495)988-4085

Email address: evrogen@evrogen.com

#### 2. HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

This product does not need to be labeled in accordance with EC directives or respective national laws.

## 2.3 Other hazards none

#### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1 Chemical characterization

**Description:** Solution, consisting of the following components.

| Component:                        | CAS-No:   | Concentration: |
|-----------------------------------|-----------|----------------|
| water                             | 7732-18-5 | >90%           |
| magnesium chloride                | 7786-30-3 | <1%            |
| Tris (hydroxymethyl) aminomethane | 1185-53-1 | <8%            |
| hydrochloride                     |           |                |

#### 4. FIRST AID MEASURES

# 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

## In case of skin contact

Wash off with soap and plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

# 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### 4.3 Indication of immediate medical attention and special treatment needed

no data available

#### 5. FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

## Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

#### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

## 6.2 Environmental precautions

Do not let product enter drains.

# 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

# 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 B°C

# 7.3 Specific end uses

No further relevant information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

# Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **Additional information**

The lists valid during the making were used as basis.

# 8.2 Exposure controls

#### Personal protective equipment:

# General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components

tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance Form: Liquid

Colour: Colourless

no data available

Odour: Characteristic
Odour threshold no data available
pH no data available
Melting/freezing point no data available
Initial boiling point and boiling range no data available

Flash point no data available
Evaporation rate no data available
Flammability (solid, gas) no data available
Upper/lower flammability or explosive limits no data available
Vapour pressure no data available

Relative density no data available
Water solubility no data available
Partition coefficient: noctanol/water no data available
Autoignition temperature no data available
Decomposition temperature no data available
Viscosity no data available

Explosive properties no data available Oxidizing properties no data available

# 9.2 Other safety information

no data available

Vapour density

## 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

no data available

# 10.2 Chemical stability

no data available

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known

#### 10.4 Conditions to avoid

no data available

## 10.5 Incompatible materials

no data available

# 10.6 Hazardous decomposition products

No dangerous decomposition products known

#### 11. TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

Acute toxicity: no data available

Primary irritant effect on the skin: not determined Primary irritant effect on the eye: not determined

Sensitization: No sensitizing effects known.

# Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product is not subject to classification according to the latest version of the EU lists.

#### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

no data available

# 12.2 Persistence and degradability

no data available

## 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

no data available

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Product:** 

**General advice:** The product has to be disposed of as laboratory chemical in accordance with local regulations.

## **Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

#### 14. TRANSPORT INFORMATION

#### 14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

#### 14.2 UN proper shipping name

ADR/RID: - Not dangerous goods IMDG: - Not dangerous goods IATA: - Not dangerous goods

# 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

## 14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

## 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

# 14.6 Special precautions for users

no data available

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

# 15.2 Chemical Safety Assessment

no data available

#### 16. OTHER INFORMATION

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Evrogen shall not be held liable for any damage resulting from handling or from contact with the above product.



#### SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006

Revision Date: 11.01.2021

Print Date: 30.08.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: 5x Encyclo Red buffer

Product number: N/A

Kit name: Encyclo Plus PCR kit

Kit number: PK101 Brand: Evrogen

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, FOR RESEARCH USE ONLY

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

Company: Evrogen JSC

Miklukho-Maklaya str, 16/10, 117997, Moscow, Russia

Telephone +7(495)988-4084 Fax +7(495)988-4085

Email address: evrogen@evrogen.com

#### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

This product does not need to be labeled in accordance with EC directives or respective national laws.

## 2.3 Other hazards none

#### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1 Chemical characterization

Description: Solution, consisting of the following components.

| Component:                                      | CAS-No:   | Concentration: |
|---|-----------|----------------|
| water   | 7732-18-5 | >90%           |
| magnesium chloride                              | 7786-30-3 | <1%            |
| Tris (hydroxymethyl) aminomethane hydrochloride | 1185-53-1 | <8%            |
| glycerol  | 56-81-5   | <60%           |

#### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

# 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

# 4.3 Indication of immediate medical attention and special treatment needed

no data available

#### 5. FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

# Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

# 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

#### 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

#### 6.2 Environmental precautions

Do not let product enter drains.

# 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

#### 7. HANDLING AND STORAGE

# 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 B°C

## 7.3 Specific end uses

No further relevant information available

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

# Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **Additional information**

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

## Personal protective equipment:

#### General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

# Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are

desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

no data available

no data available

no data available

no data available

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

**Appearance** Form: Liquid Colour: Colourless Odour: Characteristic Odour threshold no data available Hq no data available no data available Melting/freezing point Initial boiling point and boiling range no data available no data available Flash point Evaporation rate no data available Flammability (solid, gas) no data available Upper/lower flammability or explosive limits no data available Vapour pressure no data available Vapour density no data available Relative density no data available no data available Water solubility Partition coefficient: noctanol/water no data available no data available Autoignition temperature

# Oxidizing properties 9.2 Other safety information

Explosive properties

no data available

Viscosity

#### 10. STABILITY AND REACTIVITY

Decomposition temperature

#### 10.1 Reactivity

no data available

#### 10.2 Chemical stability

no data available

# 10.3 Possibility of hazardous reactions

No dangerous reactions known

#### 10.4 Conditions to avoid

no data available

#### 10.5 Incompatible materials

no data available

## 10.6 Hazardous decomposition products

No dangerous decomposition products known

#### 11. TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

Acute toxicity: no data available

Primary irritant effect on the skin: not determined Primary irritant effect on the eye: not determined

Sensitization: No sensitizing effects known.

# Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product is not subject to classification according to the latest version of the EU lists.

#### 12. ECOLOGICAL INFORMATION

## 12.1 Toxicity

no data available

#### 12.2 Persistence and degradability

no data available

#### 12.3 Bioaccumulative potential

no data available

# 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

no data available

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product:

**General advice:** The product has to be disposed of as laboratory chemical in accordance with local regulations.

#### **Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

# 14. TRANSPORT INFORMATION

#### 14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

#### 14.2 UN proper shipping name

ADR/RID: - Not dangerous goods
IMDG: - Not dangerous goods
IATA: - Not dangerous goods

# 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

## 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

# 14.6 Special precautions for users

no data available

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

# 15.2 Chemical Safety Assessment

no data available

#### 16. OTHER INFORMATION

#### **Further information**

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according to Regulation (EC) No.1907/2006

Revision Date: 11.01.2021

Print Date: 30.08.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: 2x Encyclo GC buffer

Product number: N/A

Kit name: Encyclo Plus PCR kit

Kit number: PK101 Brand: Evrogen

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, FOR RESEARCH USE ONLY

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

Company: Evrogen JSC

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Telephone +7(495)988-4084 Fax +7(495)988-4085

Email address: evrogen@evrogen.com

#### 2. HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

This product does not need to be labeled in accordance with EC directives or respective national laws.

## 2.3 Other hazards none

#### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1 Chemical characterization

**Description:** Solution, consisting of the following components.

| Component:                        | CAS-No:   | Concentration: |
|-----------------------------------|-----------|----------------|
| water                             | 7732-18-5 | >90%           |
| magnesium chloride                | 7786-30-3 | <1%            |
| Tris (hydroxymethyl) aminomethane | 1185-53-1 | <8%            |
| hydrochloride                     |           |                |

#### 4. FIRST AID MEASURES

# 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

# 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### 4.3 Indication of immediate medical attention and special treatment needed

no data available

#### 5. FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

## Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

## 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

## 6.2 Environmental precautions

Do not let product enter drains.

# 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 B°C

#### 7.3 Specific end uses

No further relevant information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

# Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **Additional information**

The lists valid during the making were used as basis.

# 8.2 Exposure controls

# Personal protective equipment:

# General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components

tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance Form: Liquid

Colour: Colourless

Odour: Characteristic Odour threshold no data available Hq no data available Melting/freezing point no data available Initial boiling point and boiling range no data available Flash point no data available no data available Evaporation rate Flammability (solid, gas) no data available Upper/lower flammability or explosive limits no data available

Vapour pressure no data available
Vapour density no data available
Relative density no data available
Water solubility no data available
Partition coefficient: noctanol/water no data available

Autoignition temperature no data available
Decomposition temperature no data available
Viscosity no data available
Explosive properties no data available
Oxidizing properties no data available

9.2 Other safety information

no data available

## 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

no data available

# 10.2 Chemical stability

no data available

# 10.3 Possibility of hazardous reactions

No dangerous reactions known

#### 10.4 Conditions to avoid

no data available

## 10.5 Incompatible materials

no data available

#### 10.6 Hazardous decomposition products

No dangerous decomposition products known

#### 11. TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

Acute toxicity: no data available

Primary irritant effect on the skin: not determined Primary irritant effect on the eye: not determined

Sensitization: No sensitizing effects known.

# Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product is not subject to classification according to the latest version of the EU lists.

#### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

no data available

# 12.2 Persistence and degradability

no data available

## 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

no data available

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Product:** 

**General advice:** The product has to be disposed of as laboratory chemical in accordance with local regulations.

**Uncleaned packaging:** 

Recommendation: Disposal must be made according to official regulations.

#### 14. TRANSPORT INFORMATION

#### 14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

#### 14.2 UN proper shipping name

ADR/RID: - Not dangerous goods IMDG: - Not dangerous goods IATA: - Not dangerous goods

## 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

## 14.6 Special precautions for users

no data available

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

# 15.2 Chemical Safety Assessment

no data available

#### 16. OTHER INFORMATION

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Evrogen shall not be held liable for any damage resulting from handling or from contact with the above product.



#### SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006

Revision Date: 11.01.2021

Print Date: 30.08.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: dNTP mix (10 mM each)

Product number: N/A

Kit name: Encyclo Plus PCR kit

Kit number: PK101 Brand: Evrogen

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, FOR RESEARCH USE ONLY

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

Company: Evrogen JSC

Miklukho-Maklaya str, 16/10, 117997, Moscow, Russia

Telephone +7(495)988-4084 Fax +7(495)988-4085

Email address: evrogen@evrogen.com

#### 2. HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

This product does not need to be labeled in accordance with EC directives or respective national laws.

#### 2.3 Other hazards none

#### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1 Chemical characterization

**Description:** Solution, consisting of the following components.

| - · · · · · · · · · · · · · · · · · · ·        | •          |                |
|--|------------|----------------|
| Component:                                     | CAS-No:    | Concentration: |
| water  | 7732-18-5  | >96%           |
| 2'-deoxyadenosine-5'-triphosphate, sodium salt | 74299-50-6 | <1%            |
| 2'-deoxycitidine-5'-triphosphate, sodium salt  | 3770-58-9  | <1%            |
| 2'-deoxyguanosine-5'-triphosphate, sodium salt | 93919-41-6 | <1%            |
| thymidine-5'-triphosphate, sodium salt         | 18423-43-3 | <1%            |

## 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

# 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 4.3 Indication of immediate medical attention and special treatment needed

no data available

#### 5. FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

# 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

#### 6. ACCIDENTAL RELEASE MEASURES

# 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

## 6.2 Environmental precautions

Do not let product enter drains.

## 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For disposal see section 13.

#### 7. HANDLING AND STORAGE

## 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 B°C

## 7.3 Specific end uses

No further relevant information available

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

# Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **Additional information**

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

# Personal protective equipment:

## General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

# Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

**Appearance** Form: Liquid Colour: Colourless Odour: Characteristic Odour threshold no data available no data available pН Melting/freezing point no data available Initial boiling point and boiling range no data available Flash point no data available Evaporation rate no data available Flammability (solid, gas) no data available Upper/lower flammability or explosive limits no data available Vapour pressure no data available Vapour density no data available Relative density no data available Water solubility no data available Partition coefficient: noctanol/water no data available Autoignition temperature no data available Decomposition temperature no data available Viscosity no data available Explosive properties no data available Oxidizing properties no data available

## 9.2 Other safety information

no data available

## 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

no data available

## 10.2 Chemical stability

no data available

# 10.3 Possibility of hazardous reactions

No dangerous reactions known

#### 10.4 Conditions to avoid

no data available

#### 10.5 Incompatible materials

no data available

## 10.6 Hazardous decomposition products

No dangerous decomposition products known

#### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity: no data available

Primary irritant effect on the skin: not determined Primary irritant effect on the eye: not determined

Sensitization: No sensitizing effects known.

# Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product is not subject to classification according to the latest version of the EU lists.

#### 12. ECOLOGICAL INFORMATION

## 12.1 Toxicity

no data available

#### 12.2 Persistence and degradability

no data available

# 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

## 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

no data available

#### 13. DISPOSAL CONSIDERATIONS

## 13.1 Waste treatment methods

**Product:** 

**General advice:** The product has to be disposed of as laboratory chemical in accordance with local regulations.

**Uncleaned packaging:** 

Recommendation: Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

#### 14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

# 14.2 UN proper shipping name

ADR/RID: - Not dangerous goods IMDG: - Not dangerous goods IATA: - Not dangerous goods

## 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

#### 14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

#### 14.5 Environmental hazards

Evrogen – Cat.#PK101 dNTP mix (10 mM each) ADR/RID: no IMDG Marine pollutant: no IATA: no

# 14.6 Special precautions for users

no data available

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

# 15.2 Chemical Safety Assessment

no data available

#### 16. OTHER INFORMATION

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Evrogen shall not be held liable for any damage resulting from handling or from contact with the above product.



#### **SAFETY DATA SHEET**

according to Regulation (EC) No.1907/2006

Revision Date: 11.01.2021

Print Date: 30.08.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Sterile PCR water

Product number: N/A

Kit name: Encyclo Plus PCR kit

Kit number: PK101 Brand: Evrogen

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, FOR RESEARCH USE ONLY

1.3 Details of the supplier of the safety data sheet

Company: Evrogen JSC

Miklukho-Maklaya str, 16/10, 117997, Moscow, Russia

Telephone +7(495)988-4084 Fax +7(495)988-4085

Email address: evrogen@evrogen.com

#### 2. HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

This product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards none

#### 3. COMPOSITION/INFORMATION OF INGREDIENTS

#### 3.1 Chemical characterization

Description: Solution, consisting of the following components.

Component: CAS-No: Concentration:

water 7732-18-5 >99%

## 4. FIRST AID MEASURES

# 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

# 4.3 Indication of immediate medical attention and special treatment needed

no data available

#### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

# Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

# 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 5.4 Further information

no data available

#### 6. ACCIDENTAL RELEASE MEASURES

# 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

# 6.2 Environmental precautions

Do not let product enter drains.

# 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

#### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 B°C

# 7.3 Specific end uses

No further relevant information available

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### **Additional information**

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

#### Personal protective equipment:

# General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance Form: Liquid

Colour: Colourless

Odour: Characteristic

Odour threshold no data available pH no data available

Melting/freezing point no data available

Initial boiling point and boiling range no data available Flash point no data available

Evaporation rate no data available Flammability (solid, gas) no data available

Upper/lower flammability or explosive limits no data available Vapour pressure no data available

Vapour density no data available
Relative density no data available

Water solubility no data available
Partition coefficient: noctanol/water no data available
Autoignition temperature no data available
Decomposition temperature no data available

Viscosity no data available
Explosive properties no data available
Oxidizing properties no data available

# 9.2 Other safety information

no data available

#### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

no data available

# 10.2 Chemical stability

no data available

## 10.3 Possibility of hazardous reactions

No dangerous reactions known

# 10.4 Conditions to avoid

no data available

# 10.5 Incompatible materials

no data available

#### 10.6 Hazardous decomposition products

No dangerous decomposition products known

## 11. TOXICOLOGICAL INFORMATION

# 11.1 Information on toxicological effects

Acute toxicity: no data available

Primary irritant effect on the skin: not determined

Primary irritant effect on the eye: not determined

Sensitization: No sensitizing effects known.

## Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

# Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product is not subject to classification according to the latest version of the EU lists.

#### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

no data available

# 12.2 Persistence and degradability

no data available

## 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

no data available

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Product:** 

**General advice:** The product has to be disposed of as laboratory chemical in accordance with local regulations.

#### Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

#### 14. TRANSPORT INFORMATION

#### 14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

#### 14.2 UN proper shipping name

ADR/RID: - Not dangerous goods IMDG: - Not dangerous goods IATA: - Not dangerous goods

# 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

# 14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

# 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

# 14.6 Special precautions for users

no data available

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

## mixture

no data available

# 15.2 Chemical Safety Assessment

no data available

# 16. OTHER INFORMATION

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Evrogen shall not be held liable for any damage resulting from handling or from contact with the above product.