# SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006
Revision Date: 11.01.2021
Print Date: 10.09.2026
GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA

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

### 1.1 Product identifier

| | |
|---|---|
| Product name: | pmKate2-N |
| Product number: | FP182 |
| Kit name: | N/A |
| Kit number: | N/A |
| 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<br>Miklukho-Maklaya str, 16/10,<br>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% |
| plasmid DNA | no data available | <0.1% |

## 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<br>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.