

# Safety data sheet

According to 1907/2006/EC, Article 31

Print date: 26.02.2018

Updated: 26.02.2018

Version: 2



## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

– Trade name: TaqNova DNA Polymerase

– Article number: RP702, RP702A, RP705, RP705A, RP710, RP710A, RP725, RP725A

– Components: TaqNova DNA Polymerase (2 U/μl)/ TaqNova DNA Polymerase (5 U/μl), 10x TaqNova KCl Reaction Buffer; 10x TaqNova (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> Reaction Buffer; 50 mM MgCl<sub>2</sub>

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

No data available.

– Application of the substance / the preparation: *Laboratory reagents.*

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

– Manufacturer/supplier:

**BLIRT S.A.**

Trzy Lipy 3/1.38

80-172 Gdańsk

Poland

orders@blirt.eu

Tel. +48 58 739 61 50

### 1.4 Emergency telephone number:

+48 58 739 61 50 (Inside normal business hours)

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## 2 Hazards identification

### 2.1 Classification of the substance or mixture

– Classification according to Regulation (EC) No 1272/2008

*Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.*

### 2.2 Label elements

– Labelling according to Regulation (EC) No 1272/2008

*The mixture is not classified and labelled according to the CLP regulation.*

– Hazard pictograms: *Not applicable.*

– Signal word: *Not applicable.*

– Hazard-determining components of labelling: *Not applicable.*

– Hazard statements: *Not applicable*

– Precautionary statement(s): *Not applicable.*

### 2.3 Other hazards

*Not applicable.*

### 3 Composition/information on ingredients

**3.2 Chemical characterization:** *Mixture.*

– **Other information:** *Not significant.*

### 4 First aid measures

**4.1 Description of first aid measures**

– **General information:** *No special measures required.*

– **After inhalation:** *Supply fresh air. In case of unconsciousness place patient stably in side position for transportation.*

– **After skin contact:** *Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.*

– **After eye contact:** *Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*

– **After swallowing:** *Rinse out mouth. If symptoms persist consult doctor.*

**4.2 Most important symptoms and effects, both acute and delayed:**

*No further relevant information available.*

**4.3 Indication of any immediate medical attention and special treatment needed:**

*No further relevant information available.*

### 5 Firefighting measures

**5.1 Extinguishing media**

– **Suitable extinguishing agents:** *Water, CO<sub>2</sub>, foam, powder.*

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

– **Special hazard arising from the mixture:** *None known.*

**5.3 Advise for firefighters**

– **Protective equipment:** *Wear self-contained respiratory protective device.*

**Additional information**

*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

### 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** *Avoid mixture contact.*

**6.2 Environmental precautions:** *Do not allow to enter sewers/surface or ground water.*

**6.3 Methods and material for containment and cleaning up:** *Pick up mechanically. Clean up affected area. Dispose of the material collected according to regulations.*

**6.4 Reference to other sections**

*See section 7 for information on safe handling.*

*See section 8 for information on personal equipment.*

*See section 13 for disposal information.*

## 7 Handling and storage

- 7.1 **Precautions for safe handling:** *No special requirements*
- **Information about fire – and explosion protection:** *The product is not flammable.*
- 7.2 **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
  - **Information about storage in one common storage facility:** *Not required.*
  - **Further information about storage conditions:** *none*
  - **Recommended storage temperature:** **-20°C**
  - **Storage class:** *10-13*
- 7.3 **Specific end use(s):** *No further relevant information available.*

## 8 Exposure controls/personal protection

- 8.1 **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** *Not required.*
  - **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:** *Not required.*
    - **Protection of hands:**

Protective gloves – *the glove material has to be impermeable and resistant to the product/the substance/the preparation.*

      - *Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation:*
    - **Material of gloves:** *the selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
    - **Penetration time of glove material:** *The exact break through time has to be observed.*
    - **For the permanent contact gloves made of the following materials are suitable:** *Nitrile rubber, NBR. Recommended thickness of the material  $\geq 0,11$  mm. Value for the permeation: Level  $\geq 480$  min.*
    - **Eye protection:** *Safety glasses.*
    - **Body protection:** *Protective work clothing. Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.*

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

– Appearance:

Form: *Liquid*.

### 9.2 Other information: *No further relevant information available.*

## 10 Stability and reactivity

10.1 Reactivity: *No data available.*

10.2 Chemical stability: *No data available.*

– Thermal decomposition/conditions to be avoided: *No decomposition if used according to specifications.*

10.3 Possibility of hazardous reaction: *No dangerous reactions known.*

10.4 Conditions to avoid: *No further relevant information available.*

10.5 Incompatible materials: *No further relevant information available.*

10.6 Hazardous decomposition product: *See chapter 5.*

## 11 Toxicological information

### 11.1 Information on toxicological effects

– Primary irritant effect:

• On the skin: *No irritant effect.*

• On the eye: *No irritant effect.*

– Sensitization: *No sensitizing effects known.*

## 12 Ecological information

12.1 Toxicity: *No data available.*

12.2 Persistence and degradability: *No further relevant information available.*

12.3 Bioaccumulative potential: *No further relevant information available.*

12.4 Mobility in soil: *No further relevant information available.*

12.5 Results of PBT and vPvB: *Not applicable.*

12.6 Other adverse effects: *no further relevant information available.*

– General notes: *Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

## 13 Disposal considerations

### 13.1 Waste treatment methods

– Recommendation: *Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.*

- **Uncleaned packaging (Recommendation):** *Disposal must be made according to official regulations.*
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

## 14 Transport information

### 14.1 UN-Number:

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*

### 14.2 UN proper shipping name:

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*

### 14.3 Transport hazard class(es):

- ADR, ADN, IMDG, IATA *Not dangerous goods/not applicable.*
- Class: *Not dangerous goods/not applicable.*

### 14.4 Packing group:

- ADR, IMDG, IATA: *Not dangerous goods/not applicable.*

### 14.5 Environmental hazards:

- Marine pollutant: *No.*

### 14.6 Special precautions for users: *Not applicable.*

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: *Not applicable.*

- **Transport/additional information:** *Not dangerous according to the above specifications.*
- **UN „Model Regulation“:** *Not applicable.*

## 15 Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: *Not applicable.*

### 15.2 Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*