

# 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: TaqNovaGC DNA polymerase

– Article number: RP73-020, RP73-100

– Components: TaqNovaGC Polymerase DNA (5 U/μl), 10x TaqNovaGC reaction buffer; 50 mM MgCl<sub>2</sub>, 5x GC Additive

1.2 Relevant identified uses of the substance or mixture and uses advised against: *no data available*

– Application of the substance / the preparation: *Pharmaceutical analysis, Biochemistry*

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

– Manufacturer/supplier:

**BLIRT S.A.**

Trzy Lipy 3/1.38

80-172 Gdansk

Poland

orders@blirt.eu

Tel. +48 58 739 61 50

### 1.4 Emergency telephone number:

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

112

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1.2 Relevant identified uses of the substance or mixture and uses advised against: *no data available*

– Application of the substance / the preparation: *Laboratory chemicals*

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

– Hazard pictograms: *Not applicable*

– Signal word: *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:** *In case of unconsciousness place patient stably in side position for transportation.*

– **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*

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

– **After swallowing:** *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: *Not required*

#### 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.*

#### 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:** *Irritating 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:** *Water hazard class 1: 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*
- Clasa: *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.*