

Safety data sheet

According to 1907/2006/EC, Article 31

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Version: 2



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

1.1 Product identifier

– Trade name: dNTPs (deoxyribonucleotides)

– Article number: RP61, RP63, RP64, RP65, RP665, RP675, RP675-25

– Components: dNTPs

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 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)

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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 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, CO₂, 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:** *Keep container sealed.*
 - **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 ≥ 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.*

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.