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

- **Product identifier**
  - **Trade name:** dNTPs deoksiribonukleotides
  - **Article number:** RP61, RP63, RP64, RP65, RP665, RP675
  - Relevant identified uses of the substance or mixture and uses advised against: no data available
  - **Application of the substance / the preparation:** laboratory chemicals
  - **Components:** dNTPs

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/supplier:**
    - **BLIRT S.A.**
    - Trzy Lipy 3/1.38
    - 80-172, Gdansk
    - orders@blirt.eu
  - **Emergency telephone number:** 112

2. Hazards identification

- **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.

- **Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    - The substance 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

- **Other hazards**
  - Not applicable.
3. **Composition/information on ingredients**
   - **Chemical characterization:** Mixture
   - **Other information:** Not significant

4. **First aid measures**
   - **Description of first aid measures**
     - **General information:** No special measures required.
     - **After inhalation:** Supply fresh air.
     - **After skin contact:** Wash with water. 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.
   - **Information for doctor**
     - **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
     - **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

5. **Firefighting measures**
   - **Extinguishing media**
     - **Suitable extinguishing agents:** water, CO₂, foam, powder. Fight larger fires with water spray or alcohol resistant foam.
   - **Special hazards arising from the substance or mixture**
     - **In case of fire, the fallowing can be released:** No further relevant information available
   - **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**
   - **Personal precautions, protective equipment and emergency procedures:** Avoid substance contact.
   - **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
   - **Methods and material for containment and cleaning up:** Pick up mechanically. Clean up affected area. Dispose of the material collected according to regulations.
7. Handling and storage
   
   - Handling
     
     - Precautions for safe handing: No special precautions are necessary if used correctly.

   - 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
     - Specific end use(s): No further relevant information available.

8. Exposure controls/personal protection
   
   - 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.

   - Exposure controls
     
     - Personal protective equipment:
       
       - General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
       - Respiratory protection: No further relevant information available.
       - 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 ≥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**
   - **Information on basic physical and chemical properties**
     - **Appearance:**
       - **Form:** Liquid
     - **Other information:** No further relevant information available

10. **Stability and reactivity**
    - **Reactivity:** no data available
    - **Chemical stability:** no data available
    - **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
    - **Possibility of hazardous reaction:** no dangerous reactions known
    - **Conditions to avoid:** no further relevant information available
    - **Incompatible materials:** no further relevant information available
    - **Hazardous decomposition product:** See chapter 5

11. **Toxicological information**
    - **Information on toxicological effects**
      - **Primary irritant effect:**
        - **On the skin:** No data available
        - **On the eye:** No data available
      - **Sensitization:** no sensitizing effects known

12. **Ecological information**
    - **Toxicity:** no data available
    - **Persistence and degradability:** no further relevant information available
    - **Bioaccumulative potential:** no further relevant information available
    - **Mobility in soil:** no further relevant information available
    - **Results of PBT and vPvB:** not applicable
    - **Other adverse effects:** no further relevant information available

13. **Disposal considerations**
    - **Waste treatment methods**
      - **Recommendation:** Chemicals must be disposed of in compliance with the respective national regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.
      - **Uncleaned packaging (Recommendation):** Disposal must be made according to official regulations.
      - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.
14. **Transport information**
   - **UN-Number:**
     - ADR, ADN, IMDG, IATA: not dangerous goods/not applicable
   - **UN proper shipping name:**
     - ADR, ADN, IMDG, IATA: not dangerous goods/not applicable
   - **Transport hazard class(es):**
     - ADR, ADN, IMDG, IATA: not dangerous goods/not applicable
     - Clasa: not dangerous goods/not applicable
   - **Packing group:**
     - ADR, IMDG, IATA: not dangerous goods/not applicable
   - **Environmental hazards:**
     - Marine pollutant: No
   - **Special precautions for users:** not applicable
   - **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**
   - **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.