

Safety data sheet

according to 1907/2006/EC, Article 31



Print date: 01.08.2013

Updated: 01.08.2013

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

- **Product identifier**

- Trade name: **HR Agarose High Resolution**

- Article number: *AG42-005, AG42-010*

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

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

- **Details of the supplier of the safety data sheet**

- Manufacturer/supplier:

- BLIRT S.A.**

- Trzy Lipy 3/1.38*

- 80-172, Gdansk*

- info@dnagdansk.com*

- 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.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

- Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

- **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:** *SUBSTANCE*
- **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 following 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 handling:** *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:** *15-25°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 $\geq 0,11$ 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

- **Information on basic physical and chemical properties**

- **Appearance:**

- **Form:** Powder

- **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**
 - **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 dangerous goods/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.