**Material Safety Data Sheet**

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

- **Product name:**
  - ID PAGE Gels 4-20%,10 wells - ID PAGE Gels 4-20%,12 wells - ID PAGE Gels 4-20%,15 wells
  - ID PAGE Gels 4-12%,10 wells - ID PAGE Gels 4-12%,12 wells - ID PAGE Gels 4-12%,15 wells
  - ID PAGE Gels 8-16%,10 wells - ID PAGE Gels 8-16%,12 wells - ID PAGE Gels 8-16%,15 wells
  - ID PAGE Gels 12%,10 wells - ID PAGE Gels 12%,12 wells - ID PAGE Gels 12%,15 wells
  - ID PAGE Gels 10%,10 wells - ID PAGE Gels 10%,12 wells - ID PAGE Gels 10%,15 wells
  - ID PAGE Gels 8%,10 wells - ID PAGE Gels 8%,12 wells - ID PAGE Gels 8%,15 wells

- **Catalog number:**
  - ID-PA4201-010, ID-PA4201-012, ID-PA4201-015
  - ID-PA4121-010, ID-PA4121-012, ID-PA4121-015
  - ID-PA8161-010, ID-PA8161-012, ID-PA8161-015
  - ID-PA0121-010, ID-PA0121-012, ID-PA0121-015
  - ID-PA0101-010, ID-PA0101-012, ID-PA0101-015
  - ID-PA0081-010, ID-PA0081-012, ID-PA0081-015

- **Manufacturer/Supplier:** Eurogentec S.A.
  Parc Scientifique du Sart Tilman
  4102 Seraing
  Belgium
  Tel. +32-4-3727400
  Fax. +32-4-3727500

- **Further information obtainable from:** Eurogentec Helpdesk
  Tel. +32-4-3727665

- **Information in case of emergency:** Please contact the regional Eurogentec representation in your country or Eurogentec S.A. directly.

- **MSDS-Nr.:** MSDS-ID-PA-V1

### 2. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylamide</td>
<td>C(_3)H(_5)NO</td>
</tr>
<tr>
<td>Bis-Acrylamide</td>
<td>C(<em>7)H(</em>{10})N(_2)O(_2)</td>
</tr>
<tr>
<td>Bis-Tris</td>
<td>C(<em>6)H(</em>{16})NO(_2)</td>
</tr>
<tr>
<td>Ammonium persulfate</td>
<td>(NH(_4))(_2)S(_2)O(_8)</td>
</tr>
<tr>
<td>Glycerol</td>
<td>C(_3)H(_8)O(_3)</td>
</tr>
<tr>
<td>EDTA</td>
<td>C(_{10})H(_4)N(_2)Na(_2)O(_7)2H(_2)O</td>
</tr>
</tbody>
</table>

### 3. Hazards identification

<table>
<thead>
<tr>
<th>HMIS Rating</th>
<th>Acrylamide</th>
<th>Bis-Acrylamide</th>
<th>Bis-Tris</th>
<th>Ammonium persulfate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NFPA Rating</th>
<th>Acrylamide</th>
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</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

For additional information on toxicity, please refer to Section 11.
4. First-aid measures

- After inhalation: Fresh air. Consult a doctor in case of complaints or if breathing becomes difficult.
- After skin contact: Wash off under running water at least for 15 min. Remove contaminated clothing.
- After eye contact: Rinse out with plenty of water at least for 15 min. Consult eye specialist.

5. Fire-fighting measures

- Suitable extinguishing agents: Water, CO2, powder or appropriate foam.
- Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- Specific Hazard(s): Emits toxic fumes under fire conditions

6. Accidental release measures

- Person-related safety precautions: Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves
- Measures for environmental protection: Ensure adequate ventilation. Do not allow product to reach sewage system or any water course.
- Measures for cleaning/collection: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

- Handling:
  - Information for safe handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
  - Information about fire: Not required

- Storage:
  - Requirements to be met by storerooms and receptacles: No further requirements
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: 4°C
  - Class according to regulation on flammable Liquids: Void

8. Exposure controls/personal protection

- Additional information about design of technical facilities: Mechanical exhaust required
- Ingredients with limit values that require monitoring at the workplace: No MAC value determined. Risk of skin absorption.
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures are to be adhered when handling chemicals
- Respiratory protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection
from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

- Protection of hands: Protective chemical-resistant gloves, Wash thoroughly after handling
- Eye protection: Protective goggles

9. Physical and chemical properties

- Form: Liquid solution/gel
- Color: Colorless
- Change in condition
  - Melting point/range: Not available
  - Boiling point/range: Not available
- Flash point: Not applicable
- Self-igniting: Not available
- Danger of explosion: Not available
- Density: Not available
- PH: 6.4
- Water content: 76%-92%

10. Stability and reactivity

<table>
<thead>
<tr>
<th>Stability</th>
<th>Hazardous Decomposition Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>Stable</td>
</tr>
</tbody>
</table>

Hazardous Decomposition Products: carbon dioxide, nitrogen oxides, sulfide...

11. Toxicological information

- Acute toxicity: 
- Primary irritant effect: May cause skin irritation, may be harmful if absorbed through skin
- On the skin: May be irritating to mucous membranes and upper respiratory tract, May be harmful if inhaled.
- Inhalation: May be harmful if swallowed
- Ingestion: The product should be handled with the usual care when dealing with chemicals.
- Additional toxicological information:

12. Ecological information

- General notes: The product itself and its products of degradation are not toxic.

13. Disposal considerations

- Product: Dispose as special waste in compliance with official regulations.
- Recommendation: Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation: Dispose in compliance with official regulations.

14. Transport information

- Land transport ADR/RID (cross-border):
- ADR/RID class: 
- Maritime transport IMDG:
• IMDG Class: -
• Marine pollutant: No
• Air transport ICAO-TI and IATA-DGR:
• ICAO/IATA Class: No hazardous for Air Transport

15. Regulation information

• Labeling according to EU guidelines: Not available
• Symbol -
• R-phrases -
• S-phrases -

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.