

Safety Data Sheet for GeneFix Saliva-Mag kit GSM-48/GSM-12/GSM-2

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Binding Buffer	Low risk – details below
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Binding Buffer

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

Product details:

Trade name: Binding Buffer

Manufacturer/Supplier: Cell Projects Ltd.

Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB

Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

2. Hazards identification:

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

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

3. Composition/information on ingredients:

Description: Liquid. Proprietary compound mixture.

4. First-aid measures:

After contact with eyes: Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.

After contact with skin: Wash off immediately with plenty of water. Remove contaminated clothing and wash before re-use.

After inhalation: Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.

After swallowing: Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.

5. Fire-fighting measures: Non-flammable.

Suitable extinguishing agents for surrounding fire: CO₂, powder or water spray.

Protective equipment: Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

6. Accidental release measures: Use personal protective equipment as detailed in section 8. Ensure adequate ventilation.

Soak up with inert absorbent material and dispose of according to regulations.

7. Handling and storage: Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection:

Exposure controls: None listed

Personal Protective equipment:

Eyes: wear appropriate protective safety goggles with side shields.

Skin: wear appropriate protective gloves.

Clothing: wear appropriate protective clothing.

Environmental exposure controls: Prevent from entering the drains.

9. **Physical and chemical properties:** Physical state: liquid. Colour: colourless. Odour: odourless.
Other properties: N/A

10. **Stability and reactivity:** The product is stable.
Incompatible materials: oxidising agents.
Hazardous decomposition products: No data available.

11. **Toxicological information:**
Acute toxicity: No data available.
Potential health effects:
Eyes – may be irritating to eyes with susceptible persons. Non-corrosive for the eyes.
Skin – may be slightly irritating to skin. Non-corrosive for the skin.
Inhalation – may be irritating to respiratory system. Non-corrosive for lungs.
Ingestion – may be harmful if swallowed.

12. **Ecological information:** No data available.

13. **Disposal considerations:** Dispose of in accordance with local regulations.

14. **Transport information:** Non-hazardous for transport.

15. **Regulatory information:**
European/International Regulations: European labelling in accordance with EC Directives.
Hazard Symbol: none
Non-hazardous mixture

16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

Proteinase K

1. **Identification of the substance/mixture and of the company/undertaking:**
Product details: Trade name: Proteinase K
Manufacturer/Supplier: Cell Projects Ltd.
Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

2. **Hazards identification:**
Hazard description: XN Harmful
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 42 Irritant - may cause sensitisation by inhalation and skin contact.

3. **Composition/information on ingredients:**
Chemical name: Proteinase K
CAS No: 39450-01-6

4. **First-aid measures:**
After contact with eyes: Immediately flush opened eyes with running water for several minutes.
After contact with skin: Immediately wash skin with soap and copious amounts of water.
After inhalation: Remove to fresh air and monitor breathing. If not breathing give artificial respiration. Call a Doctor.
After swallowing: Wash out mouth with water provided person is conscious. Call a Doctor.

5. **Fire-fighting measures:**
Suitable extinguishing agents: CO₂, powder or water spray.
Protective equipment: Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

6. **Accidental release measures:** Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Prevent seepage into drains. Pick up without creating dust and place into a suitable disposal container.
7. **Handling and storage:** Ensure adequate ventilation, minimise dust generation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Store in a tightly closed container.
8. **Exposure controls/personal protection:**
Exposure controls: None listed
Personal Protective equipment: Eyes: wear appropriate protective safety goggles.
 Skin: wear appropriate protective gloves.
 Clothing: wear appropriate protective clothing.
9. **Physical and chemical properties:** Physical state: Solid. Colour: White. Odour: None
 Solubility in water: Soluble. Other properties: N/A
10. **Stability and reactivity:** Stable under normal temperatures and pressures.
 Incompatible materials: strong oxidising agents. No data available on hazardous decomposition products.
11. **Toxicological information:** Acute toxicity: No data available.
 Irritant effect: Irritating to eyes, skin, mucous membranes and respiratory tract.
 Sensitisation: May cause sensitisation through inhalation or skin contact.
12. **Ecological information:** Not available.
13. **Disposal considerations:** Dispose of in a manner consistent with state and local regulations.
14. **Transport information:** Non-hazardous for transport.
15. **Regulatory information:**
 European/International Regulations: European labelling in accordance with EC Directives:
 Hazard Symbol: XN
 Risk phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.
 R 42/43 May cause sensitisation by inhalation and skin contact.
 Safety phrases: S 22 Do not breathe dust
 S 24 Avoid contact with skin
 S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Water hazard class: generally not hazardous for water.
16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

Magnetic Beads

1. **Identification of the substance/mixture and of the company/undertaking:**
 - a. Product details:
 - b. Trade name: Binding Buffer
 - c. Manufacturer/Supplier: Cell Projects Ltd.
 - d. Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB
 - e. Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com
2. **Hazards identification:**
 - a. **Classification of the substance or mixture**
 - b. Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
 - c. Not a hazardous substance or mixture according EC directives 67/548/EEC or 1999/45/EC

3. **Composition/information on ingredients:**
 - a. No components need to be disclosed according to the applicable regulations.
4. **First-aid measures:**
 - a. **After contact with eyes:** Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.
 - b. **After contact with skin:** Wash off immediately with plenty of water. Remove contaminated clothing and wash before re-use.
 - c. **After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.
 - d. **After swallowing:** Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.
5. **Fire-fighting measures:** Non-flammable.
 - a. **Suitable extinguishing agents for surrounding fire:** CO₂, powder or water spray.
 - b. **Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.
6. **Accidental release measures:** Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of according to regulations.
7. **Handling and storage:** Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.
8. **Exposure controls/personal protection:**
 - a. **Exposure controls:** None listed
 - b. **Personal Protective equipment:**
 - c. Eyes: wear appropriate protective safety goggles with side shields.
 - d. Skin: wear appropriate protective gloves.
 - e. Clothing: wear appropriate protective clothing.
 - f. Environmental exposure controls: Prevent from entering the drains.
9. **Physical and chemical properties:** Physical state: liquid. Odour: no data available.
 - a. Other properties: N/A
10. **Stability and reactivity:** The product is stable.
 - a. Incompatible materials: oxidising agents.
 - b. Hazardous decomposition products: No data available.
11. **Toxicological information:**
 - a. Acute toxicity: No data available
 - b. Potential health effects: No data available
 - c. Eyes: No data available
 - d. Skin: No data available
 - e. Inhalation: No data available
 - f. Ingestion: No data available
12. **Ecological information:** No data available.
13. **Disposal considerations:** Dispose of in accordance with local regulations.
14. **Transport information:** Non-hazardous for transport.
15. **Regulatory information:**
 - a. European/International Regulations: European labelling in accordance with EC Directives.
 - b. Hazard Symbol: none
 - c. Non-hazardous mixture
16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.