

**1. Identification of the substance/mixture and of the company/undertaking****1.1 Identification of the substance/preparation****Product name** : GoPAGE™ Precast Gel**Product code** : GL1110/GL1120/GL1310/GL1320/GL2110/GL2310/GL2510/GL3110/  
GL3310/GL3510/GL4210/GL4510/GL5210/GL5510**Recommended use** : For laboratory use. Suitable for Polyacrylamide Gel Electrophoresis.**1.2 Company/Undertaking identification**

SMOBIO Technology, Inc.

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E-mail : [support@smobio.com](mailto:support@smobio.com)**1.3 Emergency telephone number****Emergency telephone** : +886 3 5799292 (09.00-18.00 TST)**2. Hazards identification****2.1 Classification of the substance or mixture****GHS/GLP** : Classification to Regulation (EC) No 1272/2008**DSD/DPD** : Classification to according to EU Directives 67/548/EC or 1999/45/EC**2.2 Label elements****Symbol(s)** : Void**Signal Word** : Not dangerous**2.3 Other hazards**

None

**3. Composition/information on ingredient**

<b><u>Chemical name</u></b>	<b><u>Weight %</u></b>	<b><u>EC No.</u></b>	<b><u>CAS No.</u></b>
Acrylamide	< 0.1%	201-173-1	79-06-1

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

#### **4. First aid measures**

##### **4.1 General information**

No special measures required.

##### **4.2 Description of first aid measures**

**In case of ingestion** : If swallowed, rinse mouth and throat thoroughly with water. Consult a doctor in event of any complaints.

**In case of inhalation** : If inhaled, remove victim from area of exposure. If symptoms of irritation or respiratory allergy occur, consult a doctor.

**In case of skin contact** : Generally, the product does not irritate the skin. If symptoms of irritation after prolonged exposure occur, consult a doctor.

**In case of eye contact** : Wash out opened eyes with plenty of water for several minutes. Consult a doctor in event of any complaints.

#### **5. Fire fighting measures**

##### **5.1 Suitable extinguishing agents**

Water spray, Carbon dioxide (CO<sub>2</sub>), dry chemical powder or appropriate foam.

##### **5.2 Not suitable extinguishing agents**

None.

##### **5.3 Special exposure hazards from decomposition products**

Not thoroughly investigated.

##### **5.4 Protective equipment**

Wear self-contained breathing apparatus and protective clothing.

#### **6. Accidental release measures**

##### **6.1 Personal precautions**

Wear appropriate gloves (see Section 8), safety glasses to clean small releases/spillage.

In case of vapor/aerosol formation, wear suitable respiratory protection means. Ventilate the area.

##### **6.2 Environmental precautions**

No special measures required.

##### **6.3 Methods for cleaning up**

Absorb spillages with liquid-binding material. Ventilate and wash the area after the spillage is completely removed.

##### **6.4 Additional information**

No dangerous substances are released.

## **7. Handling and storage**

### **7.1 Handling**

No further requirements. Use appropriate personal protection measures (see Section 8).  
Avoid any contact with the liquid. Avoid the formation of aerosols. Ventilate area.

### **7.2 Storage**

Store at 4 °C. No other specific requirements relating to the preparation.

## **8. Exposure controls/personal protection**

### **8.1 Control parameters**

<u>Chemical name</u>	<u>CAS No.</u>	<u>Exposure limits</u>
Acrylamide	79-06-1	TWA : 0.03 mg/m <sup>3</sup>

### **8.2 Exposure controls**

**Engineering measures** : Ensure adequate ventilation, especially in confined areas.

### **8.3 Personal protection**

**Respiratory protection** : No special measures required.

**Hand protection** : Wear rubber gloves. No special requirements to rubber.

**Eye protection** : Safety glasses (goggles) are recommended during ordinary operations with the preparation.

**Skin protection** : The usual precautionary measures accepted in research laboratories, e.g. protective clothes (gowns). No specific requirements.

## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

**Appearance**: Gel.

**Color**: Colourless.

**Odor**: Odorless.

**pH-value at 25°C**: ~6.5.

**Boiling point**: ~100°C.

**Flash Point**: No data available.

**Flammability / autoflammability**: The preparation is not flammable/self-igniting.

**Explosive properties**: The preparation does not possess explosive properties.

**Oxidizing properties**: No data available.

**Vapor pressure:** No data available.  
**Relative density at 20°C:** ~1 g/cm<sup>3</sup>.  
**Solubility in/miscibility with water:** Fully miscible.  
**Fat solubility:** No data available.  
**Vapor density:** No data available.  
**Evaporation rate:** No data available.  
**Conductivity:** No data available.  
**Viscosity:** Not viscosity.

### **9.2 Other information**

No further relevant information available.

## **10. Stability and reactivity**

### **10.1 Stability**

Stable under storage conditions (see section 7).

### **10.2 Reactivity**

No data available.

### **10.3 Possibility of hazardous reactions**

No dangerous reactions known.

### **10.4 Conditions to avoid**

No conditions which may cause dangerous reactions.

### **10.5 Incompatible materials**

No in particular.

### **10.6 Hazardous decomposition products**

No dangerous decomposition products known.

## **11. Toxicological information**

### **11.1 Information on toxicology effects**

#### **Acute toxicity:**

**Inhalation:** No data available.

**Ingestion:** May be harmful if swallowed.

**Skin and eye contact:** No information available.

<u>Chemical name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LD50 Inhalation</u>
Acrylamide	124 mg/kg (Rat)	no data available	no data available

#### **Chronic toxicity :**

Product does not present a chronic toxicity hazard based on known or supplied information.

## **12. Ecological information**

### **12.1 Ecotoxicity**

No data available.

### **12.2 Persistence and degradability**

No data available.

### **12.3 Bioaccumulative potential**

No data available.

### **12.4 Other adverse effects**

No data available.

## **13. Disposal consideration**

### **13.1 Waste treatment methods**

**Waste from residues / unused products:** Dispose of in accordance with local regulation.

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **14. Transport information**

**IMDG/IMO:** Non-hazardous for sea freight.

**RID:** Non-hazardous for rail transport.

**ARD:** Non-hazardous for road transport.

**ICAO/IATA:** Non-hazardous for air transport.

**Other information:** The preparation may be stored at low temperature during the transportation.

## **15. Regulatory information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Acrylamide

CAS-No.: 79-06-1

Candidate List of Substances of Very High Concern for Authorization

Carcinogenic (article 57a)

ED/68/2009

### **15.2 Chemical safety assessment**

No information available.

**15.3 Regulatory information**

**US :**

**Labelling according to US Regulations:** Caution: Avoid contact and inhalation.

**US Regulatory information:** SARA LISTED: No.

**EU :**

**Labelling according to EU Guidelines:** The preparation is not dangerous within the meaning of Directives 67/548/EC, 1999/45/EC, and is not labelled with danger symbols or indications of danger.

**Canada :**

**WHMIS classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**DSL:** No.

**NDSL:** No.

**16. Other information**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. SMOBIO shall not be held liable for any damage resulting from handling or from contact with the above product.