

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

### **1.1 Identification of the substance/preparation**

**Product name :** Q-PAGE™ Precast Gel

**Product code :** QP2110/QP2310/QP2510/QP3110/QP3310/QP3510/QP4210/QP4510/  
QP5210/QP5510/QP2120/QP2320/QP2520/QP3120/QP3320/QP3520/QP4220/QP4520/  
QP5220/QP5520

**Recommended use :** For laboratory use. Suitable for Polyacrylamide Gel Electrophoresis.

### **1.2 Company/Undertaking identification**

SMOBIO Technology, Inc.

3F, No. 15, Industry E. 9th Rd., Hsinchu Science Park, Hsinchu 300096, Taiwan

Tel : +886 3 5799292

Fax : +886 3 5790202

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**

Not a dangerous substance or mixture according to the Globally Harmonized System  
(GHS) Classification to Regulation (EC) No 1272/2008

### **2.2 Label elements**

**Symbol(s) :** Void

**Signal Word :** Not dangerous

### **2.3 Other hazards**

None

Lieferant / Supplier:  
Carl Roth GmbH + Co KG  
Schoemperlenstr. 3-5  
76185 Karlsruhe, Germany  
+49 721 5606 0  
[sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)

### 3. Composition/information on ingredient

<u>Chemical name</u>	<u>Weight %</u>	<u>EC No.</u>	<u>CAS No.</u>
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 1272/2008/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:**

Not hazardous.

**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.

**Carcinogenic effects:**

Product does not present a carcinogenic effects based on known or supplied information.

**Mutagenic effects:**

Product does not present a c mutagenic effects based on known or supplied information.

**Reproductive toxicity:**

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

**Sensitization:**

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

**Target organ effects:**

Product does not present a target organ effects 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 1272/2008/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.