

# SAFETY DATA SHEET (SDS)



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**Product Name:** L-Glutamine Solution, 200 mM

**Product Number:** MIR 6240, MIR 6270

**Revision Date:** JUL 28 2020

**Print Date:** DEC 18 2020

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## SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier:

**1.1.1.Product Name:** L-Glutamine Solution, 200 mM

**1.1.2.Product Code:** MIR 6240, Part of MIR 6260 and 6270

**1.1.3.CAS No.:** Not applicable.

### 1.2. Relevant Identified Uses of the Mixture and Uses Advised Against:

**1.2.1.Identified Uses:** For research use only.

**1.2.2.Uses Advised Against:** Not known.

### 1.3. Details of the Supplier of the SDS:

**1.3.1.Company:** Mirus Bio LLC

**1.3.2.Address:** 5602 Research Park Blvd, Suite 210, Madison, WI 53719, USA

**1.3.3.Telephone No.:** 888.530.0801 (Toll Free within the U.S.) or +1.608.441.2852

**1.3.4.Fax:** +1.608.441.2849

**1.3.5.Email:** [info@mirusbio.com](mailto:info@mirusbio.com)

### 1.4. Emergency Telephone No.:

**1.4.1.US and Canada:** +1.800.633.8253

**1.4.2.International:** +1.801.629.0667

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture:

US CFR 1910.1200

This substance or mixture is not considered hazardous.

### 2.2. Label Elements:

**2.2.1.Product Name:** L-Glutamine Solution, 200 mM

**2.2.2.Hazard Pictogram(s):** Not applicable.

**2.2.3.Signal Word(s):** Not applicable.

**2.2.4.Hazard Statement(s):** Not applicable.

**2.2.5.Precautionary Statement(s):**

Not applicable.

**2.3. Other Hazards:** Not applicable.

**2.4. Additional Information:** None.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances:

Not applicable.

### 3.2. Mixtures:

This mixture contains no ingredients at their given concentration considered to be hazardous to health.

## **SECTION 4. FIRST AID MEASURES**

### **4.1. Description of First Aid Measures:**

**4.1.1. Inhalation:** Treat symptomatically.

**4.1.2. Skin Contact:** Take off all contaminated clothing immediately. Rinse skin with water.

**4.1.3. Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison center and/or doctor.

**4.1.4. Ingestion:** Rinse mouth with water. Treat symptomatically.

### **4.2. Most Important Symptoms and Effects, Both Acute and Delayed:**

No information available.

### **4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed:**

Call a poison center and/or doctor. Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

### **5.1. Extinguishing Media:**

#### **5.1.1. Suitable Extinguishing Media:**

Use extinguishing media that is appropriate to local circumstances and environment.

#### **5.1.2. Unsuitable Extinguishing Media:**

No information available.

### **5.2. Specific Hazards Arising from the Mixture:**

Carbon and nitrogen oxides.

### **5.3. Advice for Firefighters:**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal Precautions, Protective Equipment and Emergency Procedures:**

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

### **6.2. Environmental Precautions:**

This material and its container must be disposed of in a safe way.

### **6.3. Methods and Materials for Containment and Cleaning Up:**

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

## **SECTION 7. HANDLING AND STORAGE**

### **7.1. Precautions for Safe Handling:**

Handle in accordance with good industrial hygiene and safety practices. Wear protective gloves and eye/face protection.

### **7.2. Conditions for Safe Storage, Including Any Incompatibilities:**

Store tightly closed in a well-ventilated place. Keep cool.

#### **7.2.1. Storage Temperature:** -20°C.

#### **7.2.2. Storage Life:** Stable under normal conditions.

### **7.3. Specific End Use(s):** For research use only.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters:

8.1.1. Occupational Exposure Limits: Not applicable.

### 8.2. Exposure Controls:

#### 8.2.1. Appropriate Engineering Controls:

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

#### 8.2.2. Personal Protective Equipment:

8.2.2.1. **Eye Protection:** Tightly fitting safety glasses with side shields.

8.2.2.2. **Skin Protection:** Protective clothing and gloves.

8.2.2.3. **Respiratory Protection:** Normally no personal respiratory protection is necessary.

8.2.2.4. **Thermal Hazards:** None known.

### 8.3. Environmental Exposure Controls:

Avoid release to the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties:

9.1.1. Appearance      Liquid  
                                 Color: colorless.

9.1.2. Odor: No data available.

9.1.3. Odor Threshold: No data available.

9.1.4. pH: No data available.

9.1.5. Melting Point/freezing Point: No data available.

9.1.6. Initial Boiling Point and Boiling Range: No data available.

9.1.7. Flash Point: No data available.

9.1.8. Evaporation Rate: No data available.

9.1.9. Flammability (Solid, Gas): No data available.

9.1.10. Upper/lower Flammability or Explosive Limits:

Upper explosion limit: No data available.

Lower explosion limit: No data available.

9.1.11. Vapor Pressure: No data available.

9.1.12. Vapor Density: No data available.

9.1.13. Density: No data available.

9.1.14. Relative Density: No data available.

9.1.15. Solubility(ies): Water soluble.

9.1.16. Partition Coefficient: No data available.

9.1.17. Auto-ignition Temperature: No data available.

9.1.18. Decomposition Temperature: No data available.

9.1.19. Viscosity: No data available.

9.1.20. Explosive Properties: No data available.

9.1.21. Oxidizing Properties: No data available.

9.2. Other Information: None.

## SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity: None anticipated.

10.2. Chemical Stability: Stable under recommended storage conditions.

- 10.3. Possibility of Hazardous Reactions:** No hazardous reactions known if used for its intended purpose.
- 10.4. Conditions to Avoid:** None known.
- 10.5. Incompatible Materials:** No data available.
- 10.6. Hazardous Decomposition Products:** Carbon and nitrogen oxides under fire conditions.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on Toxicological Effects:**

**11.1.1. Acute Toxicity – Ingestion:** Not classified.

**11.1.2. Acute Toxicity – Skin Contact:** Not classified.

**11.1.3. Acute Toxicity – Inhalation:** Not classified.

**11.1.4. Skin Corrosion/Irritation:** Not classified.

**11.1.5. Serious Eye Damage Irritation:** Not classified.

**11.1.6. Skin Sensitization Data:** Not classified.

**11.1.7. Respiratory Sensitization Data:** Not classified.

**11.1.8. Germ Cell Mutagenicity:** Not classified.

#### **11.1.9. Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**11.1.10. Reproductive Toxicity:** Not classified.

**11.1.11. Lactation:** Not classified.

**11.1.12. Specific Target Organ Toxicity - Single Exposure:** Not classified.

**11.1.13. Specific Target Organ Toxicity - Repeated Exposure:** Not classified.

**11.1.14. Aspiration Hazard:** Not classified.

**11.2. Additional Information:** None.

## **SECTION 12. ECOLOGICAL INFORMATION**

**12.1. Ecotoxicity (Aquatic and Terrestrial, Where Available):** No data available.

**12.2. Persistence and Degradation:** No data available.

**12.3. Bioaccumulative potential:** No data available.

**12.4. Mobility in Soil:** No data available.

**12.5. Other Adverse Effects:** No data available.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1. Waste Treatment Methods:** Remove waste in accordance with local and/or national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

**13.2.** To minimize exposure, refer to Section 8 (Exposure Controls/Personal Protection) of the SDS.

## **SECTION 14. TRANSPORT INFORMATION**

- 14.1. **UN Number:** Not regulated.
- 14.2. **UN Proper Shipping Name:** Not regulated.
- 14.3. **Transport Hazard Class(es):** Not regulated.
- 14.4. **Packing Group, If Applicable:** Not regulated.
- 14.5. **Environmental Hazards:** Not classified as a marine pollutant.
- 14.6. **Guidance on Transport in Bulk (According to Annex II of MARPOL 73/783 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code)):** None.
- 14.7. **Other Special Precautions Related to Transport:** None.

## **SECTION 15. REGULATORY INFORMATION**

### **15.1. Safety, Health and Environmental Regulations Specific for the Product in Question:**

#### **SARA 302/313 Components**

SARA 302: This material is not subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

None.

#### **California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

#### **WHMIS Hazard Class**

Non-controlled. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

## **SECTION 16. OTHER INFORMATION**

- 16.1. **Revision Date:** 30 June 2020
- 16.2. **Reason for Revision:** Change in address of supplier.
- 16.3. **Additional Information:** None.

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