



## Material Safety Data Sheet

### Section 1: Identification

Names: POLY-L-LYSINE SOLUTION

Company: QuantomiX Ltd.  
12 Hamada St.  
Tamar Science Park  
Rehovot, Israel

### Section 2: Composition/Information on Ingredients

Appearance: Liquid

Ingredients	CAS Number	Weight
POLY-L-LYSINE-HYDROBROMIDE	025988-63-0	0.1%
WATER	007732-18-5	>99%

### Section 3: Hazards Identification

May cause skin and eye irritation.

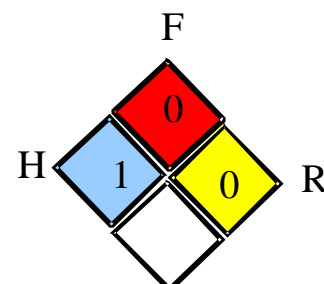
May be irritating to mucous membranes and upper respiratory tract.

May be harmful if swallowed or inhaled.

Exposure may affect cell growth rate and morphology.

May be harmful if absorbed through the skin.

**Carcinogenicity:** This product does not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.



Health (H) Flammability (F)  
Reactivity (R) in scale 0 (not  
hazardous) till 4 (extremely hazardous).

### Section 4: First Aid Measures

**Skin:** Rinse with large amounts of water and soap. Get medical attention as necessary.

**Eyes** Rinse opened eyes under running water for at least 15 minutes. Get medical attention.

**Ingestion:** Do NOT induce vomiting. If casualty is conscious, give two cups of water. Get medical attention. Never give anything by mouth to an unconscious person.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen if possible. If not breathing, give artificial respiration. Get medical attention.

### Section 5: Fire-Fighting Measures

**Not flammable.**

**Extinguishing media:** Use extinguishing media appropriate to surrounding fire conditions.

Product emits toxic fumes under fire conditions.

Use full protective gear and a self-contained breathing apparatus.

### Section 6: Accidental Release Measures

Wear full protective gear before any treatment of the leakage or spill.



Provide ventilation. Absorb with sand, vermiculite or other incombustible absorbent material. Collect into container and send to disposal site according to the local regulations.

Prevent product from entering the sewage system and water sources.

### **Section 7: Handling and Storage**

Keep away from: strong oxidizing materials.

#### **Safety phrases**

Do not breath gas or fumes or spray.

Avoid contact with skin and eyes.

Keep the container tightly closed.

Avoid prolonged or repeated exposure.

Avoid contact with clothing.

### **Section 8: Exposure Control and Personal Protection**

**Threshold values:** not available

**IDLH:** (Immediately Dangerous to Life and Health): not available.

**Protective equipment:** Generally, personal protection is a function of exposure. It is recommended to use gloves, safety spectacles or goggles, working shoes, working clothes or lab coat. Working should be done in a well-ventilated area.

**In case of an emergency:** Full protective gear and a self-contained breathing apparatus should be used, according to the severity.

### **Section 9: Physical and Chemical Properties:**

**Boiling point (°C):** N/A

**Freezing point (°C):** N/A

**Density at 20°C (gr/cm<sup>3</sup>):** N/A

**Vapor density (air=1):** N/A

**Vapor pressure (mm Hg):** N/A

**Solubility (in water):** Soluble

**pH:** N/A

**Flash point (°C):** N/A

**Auto-ignition temperature (°C):** N/A

**LEL:** N/A      **UEL:** N/A

### **Section 10: Stability and Reactivity**

**Hazardous polymerization:** Will not occur.

**Chemical reactivity:** Stable under ordinary use. Keep away from incompatibilities.

**Hazardous decomposition products:** Nature of decomposition products not known.

**Incompatibilities:** Strong oxidizing agents.

### **Section 11: Toxicological Information**

No data available

### **Section 12: Ecological Information**

**Environmental hazards:** No data available.

**Biodegradability:** No data available.



**Section 13: Disposal Considerations**

According to local regulations.

**Section 14: Transport Information**

Not classified as Hazardous for transportation.

In case of transport at elevated temperatures – refer to UN recommendations.

**Section 15: Regulatory Information**

According to local regulations.

**Section 16: Other Information**

Risk phrases: not available

Safety phrases: S23, S24/25, S07.

Date of issue: May 30, 2005

The above information is based on the present state of our knowledge. It is believed to be correct but is not necessarily all-inclusive and shall be used only as a guide. QuantomiX Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. The above information does not represent any guarantee of the properties of the product.