

# Material Safety Data Sheet

## (19320-B)

### Section 1: Chemical Product and Company Identification

**Product Name:** Poly-L-lysine 0.1% Solution

**Catalog Number:** 19320-B

**CAS#:** 25988-63-0

**Contact Information:**

**Electron Microscopy Sciences**

1560 Industry Road

Hatfield, PA 19440

1-215-412-8400 (phone)

1-800-523-5874 (toll-free)

1-215-412-8450 (fax)

**Order Online:** [emsdiasum.com](http://emsdiasum.com)

**CHEMTREC (24-Hour Emergency Telephone), call:** 1-800-424-9300

### Section 2: Composition and Information on Ingredients

**Synonyms:** Poly-L-lysine

Polylysine

**Formula:** L-Lys-(L-Lys)<sub>n</sub>-L-Lys-xHBr

CAS No.	EC No.	Index No.	Concentration
Poly-L-lysine hydrobromide			
25988-63-0	---	---	---

### Section 3: Hazards Identification

#### Emergency Overview

**OSHA Hazards**

No known OSHA hazards

Not a dangerous substance according to GHS.

**HMIS Classification**

Health Hazard: 0

Flammability: 0

Physical hazards: 0

**NFPA Rating**

Health Hazard: 0

Fire: 0

Reactivity Hazard: 0

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

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

#### Section 4: First Aid Measures

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### Section 5: Fire and Explosion Data

**Conditions of flammability:** Not flammable or combustible.

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire fighters:** Wear self-contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products:** Hazardous decomposition products formed under fire conditions. Hydrogen bromide gas.

#### Section 6: Accidental Release Measures

**Personal precautions:** Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### Section 7 : Handling and Storage

**Precautions for safe handling:** Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place.

**Recommended storage temperature:** -20°C Keep in a dry place.

#### Section 8: Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

##### Personal protective equipment

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin and body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures:** General industrial hygiene practice.



**Specific target organ toxicity – single exposure (Globally Harmonized System):** no data available

**Specific target organ toxicity – repeated exposure (Globally Harmonized System):** no data available

**Aspiration hazard:** no data available

**Potential health effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

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

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Signs and Symptoms**

**of Exposure:** Exposure may affect cell growth rate and morphology.

**Synergistic effects:** No data available.

**Additional Information:** RTECS: Not available

### Section 12: Ecological Information

**Toxicity:** no data available

**Bioaccumulative potential:** no data available

**PBT and vPvB assessment:** no data available

**Persistence and degradability:** no data available

**Mobility in soil:** no data available

**Other adverse effects:** no data available

### Section 13: Disposal Considerations

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

### Section 14: Transport Information

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

### Section 15: Other Regulatory Information

**OSHA Hazards:** No known OSHA hazards:

**SARA 302 Components: SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

**SARA 311/312 Hazards:** No SARA Hazards

**Massachusetts Right-to-Know Components:** No components are subject to the Massachusetts Right-to-Know Act.

**Pennsylvania Right-to-Know Components:**

	CAS No.	Revision Date
Poly-L-lysine hydrobromide	25988-63-0	

**New Jersey Right-to-Know Components:**

	CAS No.	Revision Date
Poly-L-lysine hydrobromide	25988-63-0	

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### Section 16: Other Information:

**Last Updated, Verified and Printed: July 7, 2011**

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Electron Microscopy Sciences be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Electron Microscopy Sciences has been advised of the possibility of such damages.*