

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT(S) AND COMPANY IDENTIFICATION

Manufacturer Name: **Advanced BioMatrix, Inc.**
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San Diego, California 92150
For Information Call: **800-883-8220**
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Common Name / Trade Name	Source	CAS Number
Poly-D-Lysine hydrobromide	Amino Acids	[27964-99-4]

Quick Identifier (In-plant Common Name)	Poly-D-Lysine
Chemical Name	Poly-D-Lysine hydrobromide
CAS Number	As Listed

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient Name(s)	Refer to <i>Section 1</i>
CAS Number(s)	Refer to <i>Section 1</i>
Principal Hazardous Component(s)	N/A
Product chemical and common name(s)	N/A
Biological Activity	Varies (%)
EC Numbers(s)	Refer to <i>Section 1</i>
Exposure Limit(s)	None Established

SECTION 3 – HAZARDS IDENTIFICATION

Threshold Limit Value	None known or reported.
Signs and Symptoms of Exposure	None known or reported.
Medical Conditions Generally Aggravated by Exposure	None known or reported.

Chemical Listed as Carcinogen or Potential Carcinogen	No
National Toxicology Program	No
I.A.R.C Monographs	No
OSHA Permissible Exposure Limit	None known
ACGIH Threshold Limit Value	No
Other Exposure Limit Use	No

SECTION 4 – FIRST AID MEASURES

Emergency & First Aid Procedures	Flush thoroughly with water
Eyes	Check for contact lenses and remove if present. Flush thoroughly with water.
Skin	Flush thoroughly with soap and water
Inhaled	If breathed in, move person into fresh air
Ingestion	Rinse mouth thoroughly with water

SECTION 5 – FIRE AND EXPLOSION HAZARDS

Special Fire Fighting Procedures	N/A
Auto-Ignition Temperature	N/A
Flash Point	N/A
Flammable Limits in Air (% by Volume)	N/A
Extinguisher Media	Water spray, carbon dioxide, dry chemical foam.
Unusual Fire and Explosion Hazards	N/A

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Precautions to be Taken in Handling and Storage	No special handling or storage required. Avoid dust formation.
Other Precautions	None
Steps to be Taken in Case Material is Released or Spilled	No special handling required.
Waste Disposal Methods	Dispose of waste in accordance with all applicable Federal, State and local regulations. <i>Refer to Section 13.</i>

SECTION 7 – HANDLING AND STORAGE

Storage	Keep container tightly closed in a dry and well ventilated place. Refer to specific product label for storage conditions.
Handling	Provide appropriate exhaust ventilation at places where dust is formed. Refer to specific product label for handling requirements.

SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection (Specify Type)	None required
Mechanical (General)	None required
Ventilation	None required
Local Exhaust	As required
Special	None
Protective Gloves	Wear protective gloves when handling
Eye Protection	Wear safety glasses
Other Protective Clothing or Equipment	None required

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor	Solid, white, odorless powder
Solubility in Water	100%
Boiling Point	N/A
Specific Gravity (H₂O = 1)	Varies
Vapor Pressure (mmHg)	N/A
Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A

SECTION 10 – STABILITY AND REACTIVITY

Evaporation Rate	N/A
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions – carbon dioxides, nitrogen oxides (NO _x)
Conditions to Avoid	Direct sun light, strong acids, strong bases
Hazardous Polymerization	Will not occur.
Incompatibility (Materials to Avoid)	None known

SECTION 11 – TOXICOLOGICAL INFORMATION

1. Refer to *Section 3* for health effects information.
2. The toxicological properties of this material have not been fully investigated.
3. Always follow Good Laboratory and Industrial Hygiene Practices and wear proper personal protective equipment when handling chemicals.

Routes of Exposure	Ingestion, skin and eye contact.
LD50	No oral LD50 is available
Carcinogenicity	Unknown
Mutagenic / Teratogenic Effects	Unknown

SECTION 12 – ECOLOGICAL INFORMATION

No data available. No environmental hazard is known.

SECTION 13 – DISPOSAL CONSIDERATIONS

1. Dispose of waste in accordance with all applicable Federal, State and local regulations.
2. Chemical residues are generally classified as special waste and, as such, the transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, State and local regulations.
3. Rinse empty containers thoroughly before disposal and/or recycling.

SECTION 14 – TRANSPORT INFORMATION

Department of Transportation Requirements:

Proper Shipping Name	Not Regulated
Hazard Class	N/A
Packaging Group	N/A
Reportable Quantity	N/A
Labels Required	N/A
International Transportation Regulations	Not Regulated
UN/NA Code	N/A

SECTION 15 – OTHER USEFUL INFORMATION

Disclaimer

The information contained in this MSDS relates only to the material(s) designated and does not relate to uses(s) in combination with any other materials, process(es) and/or chemical reactions(s).

Advanced BioMatrix, Inc. provides this information in good faith, from sources believed to be accurate, however, assumes no liability for its accuracy or completeness.

We do not assume liability for damages resulting from the handling, use and/or disposal of these products, from their use in violation of patent or other rights or reliance upon this information.

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