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Material Safety Data Sheet

Effective Date: 03-29-10

I. CHEMICAL PRODUCT

Product: L-Lysine,
General Use: Food, drug, or cosmetic use

II. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

L-Lysine 50%

Water 50%

MF: $C_6H_{14}N_2O_2$

M.W.:

CAS No: 56-87-1
EINECS No: Not Listed
OSHA PEL: Not listed

Alternate Names: 2,6-diaminohexanoic acid, lysine, lysine acid, L-lysine free base, aminutrin

III. HAZARDS IDENTIFICATION

Low hazard for usual industrial handling.

Risk Phrases:

Safety Phrases:

IV. FIRST AID MEASURES

Eyes:	Flush eyes with plenty of water. Seek medical attention if irritation develops.
Skin:	Wash with water
Ingestion:	If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician
Inhalation:	If exposed to excessive levels of dust or fumes, remove to fresh air.

V. FIRE FIGHTING MEASURES

Extinguishing Media:	Water spray, fog, dry chemical, or CO ₂
Fire Fighting Procedures:	MSHA/NIOSH self-contained breathing apparatus
Explosions Hazards:	N/A

VI. ACCIDENTAL RELEASE MEASURES

Ventilate area. Absorb spill with inert material and place in a chemical waste container. Obey all local, state, and federal laws and regulations. Do not contaminate streams, lakes, ponds, groundwater, or soil.

VII. HANDLING AND STORAGE

Handling: Use adequate ventilation
Storage: Store in a cool, dry place. Keep container closed when not in use.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Control: This product does not contain any components considered to be health hazards under the OSHA Hazard Communication Standard 29 CFR 1910.1200
Respiratory Protection: NIOSH respirator
Eye Protection: Safety goggles with shield
Skin/Hand Protection: Impermeable gloves

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: yellowish. Liquid
Boiling Point: 107 C
Melting Point: N/A
Bulk density: N/A
Solubility in water: N/A
Vapor density (air =1): heavier than air
Vapor pressure (mm Hg at 20°C.): N/A
% Volatile by volume: N/A

X. STABILITY AND REACTIVITY

Flash Point: N/A.
Stability: Stable.
Incompatibility: N/A
Hazardous decomposition products: None known
Hazardous polymerization: Will not occur

XI. TOXICOLOGICAL INFORMATION

Toxicity: No information available
Irritation: No information available
Note:

XII. ECOLOGICAL INFORMATION

Water/AIR Pollution: Not listed
Biodegradability: Readily biodegradable

XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Obey all state, federal, and local regulations. Incineration is preferred.
Container Disposal: Not listed

XIV. TRANSPORT INFORMATION

Non-hazardous for air, sea or road freight.
UN No: N/A.

XV. REGULATORY INFORMATION

Canadian WHMIS Hazard Class and Division: not listed
Symbol (European Union): not listed
EEC Warning Label Statement: not listed
Water Pollution Class (Germany): not listed

XVI. OTHER INFORMATION

The information presented in this Material Safety Data Sheet is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide for safety precautions. The data does not reflect a guarantee of any product properties.