Material Safety Data Sheet

EM SCIENCE
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JOYCE KILBY/RISK MGMT OF
UNIV OF WISCONSIN-WHITEWATER
800 W. MAIN ST-LIBRARY RM 2008
WHITEWATER, WI 53190

Preparation Date ............: JAN 30, '89
Date Sent to Customer........: MAR 12, '91
Information Phone Number: 
(609) 354-9200
Chemtrec Emergency Number: 
1-800-424-9300

NFPA HAZARD RATINGS
Health ................: 2
Reactivity ............: 0
Flammability ...........: 0
Special Hazards.......: 

Catalog Number(s): 
5700
LX0430

SECTION I - GENERAL INFORMATION

Chemical Name...........: L-Lysine Monohydrochloride
Trade Name...............: None
C.A.S. Number...........: 657-27-2
Chemical Family.........: Amino Acid
Formula..................: C_6H_{15}ClN_2O_2

Molecular Weight........: 182.65
DOT Shipping Name: (non-regulated)
DOT Number.............: (none)

SECTION II - HAZARDOUS INGREDIENTS

None other than specific product.

SECTION III - PHYSICAL DATA

Boiling Point (°C, 760 mm Hg): N/A
Melting Point (°C): 263-264
Specific Gravity (H_2O = 1): N/A
Vapor Pressure (mm Hg): N/A
Percent Volatile by Vol (%): N/A
Vapor Density (Air=1): N/A
Evaporation Rate (BUAc=1): N/A
Solubility in Water (%): Soluble
Appearance and Odor: White powder

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (°F): N/A
Flammable Limits LEL %: N/A
Flammable Limits UEL %: N/A
Extinguishing Media: Use any suitable for adjacent material.
Fire Fighting Proc.: Wear self-contained breathing apparatus
Fire & Expl. Hazards: Thermal decomposition produces toxic fumes.

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA): None established.
Toxicity Data: ..............: orl-rat LD50: 10gm/kg
Symptoms of Exposure: May be harmful swallowed in large quantity.
Medical Cond. Aggravated by Exp: Data not available.
Routes of Entry: ..............: Inhalation, ingestion
Carcinogenicity: ..........: The material is not listed as cancer causing agent.
Emergency First Aid: ........: GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE
Skin: Wash thoroughly with soap and water.
Eyes: Immediately flush thoroughly with water for at least 15 minutes.
Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion: Get immediate medical attention; if conscious, give water freely.

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SECTION VI - REACTIVITY DATA

Stability: YES
Conditions to Avoid: None indicated
Materials to Avoid: () Water, ( ) Acids
() Bases, ( ) Corrosives, ( ) Oxidizers
Other: none indicated
Hazardous Polymerization: Does not occur
Hazardous Decomposition: NOx, HCl

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Take up containerize for proper disposal.
Waste Disposal: To be performed in compliance with all current local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:
Material should be handled or transferred in an approved fume hood or with adequate ventilation.
Protective gloves should be worn to prevent skin contact (Neoprene or equivalent).
Safety glasses with side shields should be worn at all times.

SECTION IX - SPECIAL PRECAUTIONS

Handling & Storage: Keep container closed.
Store at controlled room temperature.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.

Work/Hygiene Practices: Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

SECTION X - OTHER INFORMATION

Comments: None
Revision History: 9/7/88
N/A = Not available.