



MAR 15 1991

M A T E R I A L S A F E T Y D A T A S H E E T

EM SCIENCE
A Division of EM Industries
P.O. Box 70
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Gibbstown, N.J. 08027

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

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

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

SECTION I - GENERAL INFORMATION

Catalog Number(s): 5700 LX0430

Chemical Name.....: L-Lysine Monohydrochloride
Trade Name.....: None
C.A.S. Number.....: 657-27-2
Chemical Family...: Amino Acid
Formula.....: C₆H₁₅ClN₂O₂

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

Biology

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 (H₂O = 1) : N/A
Vapor Pressure (mm Hg) : N/A 20C
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/Hygienic 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:

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