

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 9/26/97
Product Name: L-GLUTAMINE
Common Name: L-2-amioylutaramic acid
Chemical Formula: C₅H₁₀N₂O₃
CAS No.: 56-85-9

SECTION 2: HAZARDOUS INGREDIENTS:

Slightly dangerous to dangerous in case of ingestion. Very slightly to slightly dangerous in case of eye contact (irritant), of inhalation. Substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to substance can produce target organs damage. Can pass through placental barrier in animals.

SECTION 3: PHYSICAL DATA

Appearance and Odor:	solid, crystalline powder, white
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	soluble in cold water
Melting Point:	decomposes (185°C or 365°F)
Volatility:	n/a
Vapor Density:	n/a
pH	7

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
Flammability:	combustible
Flammable limit:	n/a
Extinguishing Media:	dry chemicals, CO ₂ ,water spray, or foam; Do not use water jet.
Unusual Fire and Explosion Hazards:	n/a

SECTION 5: REACTIVITY DATA

Stable <u> </u> <u> X </u> <u> </u>	Unstable <u> </u>
Conditions to Avoid:	n/a
Incompatibilities:	No specific information available regarding reactivity of material in presence of various other materials.
Hazardous Decomposition or byproducts:	Products are carbon oxides, nitrogen oxides,
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Permissible Exposure Limit:	n/a
Toxicity:	acute oral toxicity LD50 (rat): 7500 mg/kg, acute oral toxicity LD50 (mouse): 21700 mg/kg
Route of Entry:	ingestion

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage:	Use appropriate tools to put spilled solid in convenient waste disposal container.
Finish	cleaning by spreading water on contaminated surface and dispose of according to local
and	regional authority requirements.

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Disposal: Recycle, if possible. Consult your local or regional authorities.

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SECTION 8: FIRST AID PROCEDURES

Eyes: Remove any contact lenses. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

Skin: No known effect.

Inhalation: Allow victim to rest in well ventilated area. Seek medical attention.

Ingestion: Remove dentures. Have person drink several glasses of milk or water. Induce vomiting by sticking finger in throat. Lower head so vomit won't reenter mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Keep locked up, away from heat and sources of ignition. Keep in a cool, dry, well-ventilated area. Keep container tightly closed. Ground all equipment containing material. Do not ingest or breathe dust. Wear suitable protective clothing. Evaporate empty container residue under a fume hood. If ingested, seek medical advice immediately, showing label of material.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosure, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Eye Protection: safety glasses

Protective Gloves: yes

Respiratory Protection: respirator when ventilation inadequate

Other Protective Gear: lab coat; boots, full suit, and splash goggles in case of large spill

SECTION 11: TRANSPORT INFORMATION

DOT classification: not regulated

DOT pictograms: