

AerBio, Ltd.
320 N. Walnut St.
Bloomington, IN 47404

Telephone: 812.334.9996

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 1/17/97
Product Name: L-2-amino-4-(methylthio)butyric acid
Common Name: **L-methionine**

Chemical Formula: C₅H₁₁NO₂S
CAS No.: 63-68-3

SECTION 2: HAZARDOUS INGREDIENTS:

Acute: slightly dangerous to dangerous in case of skin and eye contact (irritant), of ingestion, of inhalation. May irritate eyes and skin upon contact.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	powdered solid
Boiling point:(760 mm Hg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water=1):	1.34
Solubility in water:(by weight)	soluble in cold water, methanol
Melting Point:	decomposes (281 °C or 537.8 °F)
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	SMALL: use dry chemicals, CO ₂ , water spray or foam LARGE: water spray, fog or foam. Do not use water jet.

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Conditions to Avoid:	n/a
Incompatibilities:	n/a
Hazardous Decomposition or byproducts:	products of combustion = carbon oxides and nitrogen oxides
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV): no

Permissible Exposure Limit:

Toxicity:

n/a

Oral LD50 (rat):

NTP:

IARC Monographs:

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SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

First Aid:

Eyes: Check for and remove any contact lenses. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin: If chemical gets onto clothed portion of body, remove contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritations persists, seek medical attention. Wash contaminated clothing before reusing.

If

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

Ingestion: Remove dentures if any. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head to vomit will not reenter mouth and throat. Never give unconscious person anything to ingest. Seek medical attention.

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

Disposal:

Recycle to process if possible. Consult local or regional authorities.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat and from sources of ignition. Keep container dry and cool place. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Transport: Not a DOT controlled material (USA)

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust,

fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Use respirator when ventilation is inadequate.

Skin Protection: Lab coat.
Eye Protection: splash goggles
Protective Gloves: in case of large spill
Respiratory Protection: dust respirator
