SIGMA-ALDRICH

Material Safety Data Sheet

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Product name	: L-Gluta	imine			
Product Number	: G3126				
Brand	: Sigma				
Company	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103				
Telephone		USA : +1 800-325-5832			
Fax	: +1 800-3	25-5052			
Emergency Phone #	: (314) 776	6555			
OMPOSITION/INFORMA	TION ON INGREI	DIENTS			
Synonyms		: (S)-2,5-Diamino-5-oxopentanoic acid L-Glutamic acid 5-amide			
Formula	: C5H10N2	203			
Molecular Weight	: 146.15 g/				
CAS-No.	EC-No.	Index-No.	Concentration [%]		
Levoglutamide					
Levoglutamide 56-85-9 AZARDS IDENTIFICATIO	200-292-1	-	-		
	ON	-	-		
56-85-9 AZARDS IDENTIFICATION Emergency Overview OSHA Hazards Irritant HMIS Classification Health Hazard: 2 Flammability: 0 Physical hazards: 0 NFPA Rating Health Hazard: 2 Fire : 0 Reactivity Hazard: 0	ON) 0	-	-	<u></u>	
56-85-9 AZARDS IDENTIFICATION Emergency Overview OSHA Hazards Irritant HMIS Classification Health Hazard: 2 Flammability: 0 Physical hazards: 0 NFPA Rating Health Hazard: 2 Fire : 0	ON) 0 s	if inhaled. May cause respirator			

May cause eye irritation. May be harmful if swallowed.

4. FIRST AID MEASURES

General advice

Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point

no data available no data available

Ignition temperature Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

Eye protection Safety glasses

Hygiene measures General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	powder
Colour	white
Safety data	
рН	5.0 - 6 at 14.6 g/l at 25 °C (77 °F)
Melting point	185 °C (365 °F)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	14.6 g/l at 20 °C (68 °F) - completely soluble
Partition coefficient: n-octanol/water	log Pow: -4.609

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 7,500 mg/kg

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

no data available

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

Irritant

TSCA Status On TSCA Inventory

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components No Components Listed		
Pennsylvania Right To Know Components		
, , ,	CAS-No.	Revision Date
Levoglutamide	56-85-9	
New Jersey Right To Know Components		
	CAS-No.	Revision Date
Levoglutamide	56-85-9	
California Prop. 65 Components		
This product does not contain any chemicals known to State o	f California to cause cancer, bir	th, or any other
reproductive defects.		•

16. OTHER INFORMATION

Further information

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