



AJINOMOTO®

AJINOMOTO HEARTLAND, INC.

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Tel: (773) 380-7000 Fax: (773) 380-7006

www.lysine.com

MATERIAL SAFETY DATA SHEET

L-Tryptophan [Feed Grade (98%)]

Manufactured by:

*Ajinomoto Eurolysine
Paris, France*

Distributed by:

*Ajinomoto Heartland, Inc.
1116 Hwy 137
Eddyville, Iowa 52553*

Emergency Phone:

*(641) 969-4551 – Eddyville, IA
(773) 380-7000 – Chicago, IL*

DESCRIPTION

Product Name:

L-Tryptophan (Feed Grade)

Chemical Name:

2 –Amino –3 indolepropionic acid

CAS Registry Number:

73-22-3

Synonyms:

Tryptophan

Chemical Family:

Amino acid

Composition:

As L-Tryptophan, at least 98.0% pure

Formula:

$C_{11} H_{12} N_2 O_2$

Molecular Weight:

204.23

PHYSICAL DATA

Bulk Density:

0.35 – 0.45 kg/L

Appearance & Odor:

White powder; odorless; slightly characteristic taste.

Solubility in Water:

1.06 g/100 g water at 20°C

Percent Volatile:

0%

For animal feed only – not for human consumption

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Evaporation Rate: None

STATEMENT OF HEALTH HAZARD

Hazard Description: Avoid contact with eyes, mild irritant; otherwise non hazardous.

EMERGENCY TREATMENT

Eyes: Flush eyes with water for 15 minutes. Ensure thorough rinsing.

SPILL OR LEAK PROCEDURES

Steps to be Taken: Ordinary, same as food.

Waste Disposal: Dissolve or suspend in H₂O

FIRE & EXPLOSION HAZARD DATA

Flash Point: None

Autoignition Temperature: N/A

Flammable Limits in Air: Non Flammable

Extinguishing Media: Water

Special Fire-Fighting Procedures: Should wear protective clothing and respiratory protection to protect from fumes of NO_x.

Unusual Fire & Explosion Hazards: Not a fire hazard

CHEMICAL REACTIVITY

Stability: Highly stable

Conditions to Avoid: None

Hazardous Decomposition Products: When heated to decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides (NO_x), hydrogen chloride gas fumes will be emitted.

SPECIAL PROTECTION & PROCEDURES

Respiratory Protection: Unnecessary

Ventilation: Ordinary

Protective Equipment: None needed

HANDLING & STORAGE

Handling & Storage: None needed

Work Place: Protective Equipment: None

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LABELING & SHIPPING

Proper Shipping Name: L-Tryptophan
FDA_{CFR}: 582.5915
AAFCO #: 6.10

DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with all regulations.

OTHER REGULATORY REQUIREMENTS

None

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