MATERIAL SAFETY DATA SHEET

L-Tryptophan [Feed Grade (98%)]

MANUFACTURED BY: Ajinomoto Eurolysine SAS
Paris, France

DISTRIBUTED BY: Ajinomoto Heartland LLC
1 Heartland Drive
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 (as is)
Formula: C_{11} H_{12} N_{2} O_{2}
Molecular Weight: 204.23

PHYSICAL DATA
Bulk Density: 0.35 – 0.45 kg/L (12.5 to 18.7 lbs/ft³)
Appearance & Odor: White powder; odorless; slightly characteristic taste.
Solubility in Water: 1.06 g/100 g water at 20°C
Percent Volatile: 0%
Evaporation Rate: None

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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 NOx.
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 (NOx), 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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