



8430 West Bryn Mawr Ave., Suite 650, Chicago, IL 60631 Tel: (773)380-7000 Fax: (773)380-7006

MATERIAL SAFETY DATA SHEET
L-TRYPTOPHAN

Manufacturer: Ajinomoto
Tokyo, Japan

Distributed by: Heartland Lysine, Inc.
Eddyville, Iowa 52553

Emergency Phone: (515) 969-4551 Eddyville
(773) 380-7000 Chicago

DESCRIPTION

Chemical Name: 1-2 aminoindole-3-propionic acid
CAS Registry Number: 73-22-3
Synonyms: Tryptophan
Chemical Family: Organic
Composition: (As L-Tryptophan more than 98.5%)
Formula: C₁₁ H₁₂ N₂ O₂

STATEMENT OF HEALTH HAZARD

Hazard Description: Avoid contact with eyes; mild eye irritant. Otherwise non hazardous.

EMERGENCY TREATMENT

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

PHYSICAL DATA

Specific Gravity: 1.38
Appearance & Odor: White powder; odorless; slightly characteristic taste.
Solubility in Water at 30°C: 11.4 g/l at 25°C
Percent Volatile: 0%
Evaporation Rate: None

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, fumes of NO_x will be emitted.

SPECIAL PROTECTION&PROCEDURES

Respiratory Protection: Unnecessary
Ventilation: Ordinary
Protective Equipment: None needed

SPECIAL PRECAUTIONS

Handling: Recommended to wear gloves and face mask if excessive handling is necessary.
Storage: Keep away form sources of ignition. Store in dry conditions in sealed or closed containers.
Workplace: Protective Equipment: None Required

LABELING & SHIPPING

Proper Shipping Name: L-Tryptophan
Label: See Attached
FDA Reg: 582.5915

OTHER REGULATORY REQUIREMENTS:

None