



## Safety Data Sheet

### Section 1: Identification

**Product Name:** L-Tryptophan

**Recommended Use:** For further manufacturing of feed.

**Synonyms:** N/A

**Company Identification:**

Origination, LLC  
1802 Wooddale Drive, Suite 200  
Woodbury, MN 55125

**For information, call:** 1-800-625-6079

**Emergency Number:** 1-800-625-6079

**For CHEMTREC assistance, call:** 1-800-424-9300

**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2: Hazard(s) Identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200;**

**GHS Classification:**

**Other Safety Precautions:** Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

**Acute Toxicity Dermal Contains:** 100 % of the mixture consists of ingredient(s) of unknown toxicity

**Acute Toxicity Inhalation Gas Contains:** 100 % of the mixture consists of ingredient(s) of unknown toxicity

**Acute Toxicity Inhalation Vapor Contains:** 100 % of the mixture consists of ingredient(s) of unknown toxicity

**Acute Toxicity Inhalation Dust/Mist Contains:** 100 % of the mixture consists of ingredient(s) of unknown toxicity

### Section 3: Composition / Information on Ingredients

**Chemical Name:** L-Tryptophan

(CAS# 73-22-3) 97-100% **CAS #:** 73-22-3

### Section 4: First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.

**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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**Skin Contact:** After contact with skin, wash immediately with plenty of water.

**Ingestion:** If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

## Section 5: Fire Fighting Measures

**Extinguishing Media:** Use dry chemical, CO<sub>2</sub> or appropriate foam.

**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

**Fire and/or Explosion Hazards:** Fire or excessive heat may produce hazardous decomposition products.

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide, Nitrogen oxides

## Section 6: Accidental Release Measures

**Steps to Take in Case Material Is Released or Spilled:** No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS. Ventilate the contaminated area. Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed. Remove soiled clothing and launder before reuse. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Contain the discharged material.

## Section 7: Handling and Storage

**Handling:** Avoid creating and inhaling dust.

**Storage:** Keep container tightly closed in a cool, well-ventilated place.

**Storage Code:** Green - general chemical storage

## Section 8: Exposure Controls, Personal Protection

**Chemical Name:** No data available

**ACGIH (TWA):** N/A

**ACGIH (STEL):** N/A

**OSHA PEL (TWA):** N/A

**OSHA PEL (STEL):** N/A

**Control Parameters Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

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**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Nitrile

## Section 9: Physical and Chemical Properties

**Formula:** C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight:** 204.23 g/mol

**Appearance:** Cream Colored Powder

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** = 282 C

**Boiling Point:** Not available C

**Flash Point:** No data available

**Flammable Limits in Air:** N/A N/A

**Vapor Pressure:** N/A

**Evaporation Rate (BuAc=1):** N/A

**Vapor Density (Air=1):** N/A

**Specific Gravity:** N/A

**Solubility in Water:** Soluble

**Log Pow (calculated):** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Percent Volatile by Volume:** N/A

## Section 10: Stability and Reactivity

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Nitrogen oxides, Carbon dioxide, Carbon monoxide

**Hazardous Polymerization:** Will not occur



## Section 11: Toxicological Information

**Routes of Entry:** Inhalation, ingestion, eye or skin contact.

**Symptoms (Acute):** N/A

**Delayed Effects:** No data available

**Acute Toxicity:**

**Chemical Name:** Tryptophan (CAS# 73-22-3) 97-100%

**CAS Number:** 73-22-3

**Oral LD50:** Oral LD50 Rat > 16000 mg/kg

**Dermal LD50:** Not determined

**Inhalation LC50:** Not determined

**Carcinogenicity:**

**Chemical Name:** No data available

**CAS Number:** 73-22-3

**IARC:** Not listed

**NTP:** Not listed

**OSHAS:** Not listed

**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.

**Teratogenicity:** No evidence of a teratogenic effect (birth defect).

**Sensitization:** No evidence of a sensitization effect.

**Reproductive:** No evidence of negative reproductive effects.

**Target Organ Effects:**

**Acute:** See Section 2

**Chronic:** Not listed as a carcinogen by IARC, NTP or OSHA.

## Section 12: Ecological Information

**Overview:** This material is not expected to be harmful to the ecology. Keep out of waterways.

**Mobility:** No data

**Persistence:** No data

**Bioaccumulation:** No data

**Degradability:** No data

**Other Adverse Effects:** No data

**Chemical Name:** N/A

**CAS Number:** 73-22-3



## Eco Toxicity

### Section 13: Disposal Considerations (non-mandatory)

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

**Waste Disposal Code(s):** Not Determined

### Section 14: Transport Information

**Ground - DOT Proper Shipping Name:** N/A

**Air - IATA Proper Shipping Name:** Not regulated for air transport by IATA.

### Section 15: Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

**Chemical Name:** No data available

**CAS Number:** 73-22-3

**§ 313 Name:** No

**§ 304 RQ:** No

**CERCLA RQ:** No

**§ 302 TPQ:** No

**CAA 112(2) TQ:** No

### Section 16: Additional Information

**Prepared by:** Orignation, LLC

**Prepared:** September 8, 2020

#### Disclaimer:

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Orignation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Orignation has been advised of the possibility of such damages.*