

## 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.

**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.

**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:** Origination, LLC

**Prepared:** April 8, 2021

#### Disclaimer:

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