



杭州大阳化工有限公司
Hangzhou Dayangchem Co., Ltd.

Safety Data Sheet

No :M- 0650

Section 1 - Product and Company Identification

MSDS Name: L-Tryptophan

Synonyms: (S)-2-Amino-3-(3-indolyl)propionic acid; L- α -Amino-3-indolepropionic acid

Company Identification: Hangzhou Dayangchem Co., Ltd.

For information, call: 86-571-88938639

For information, E-mail: infores@chinadayangchem.com

Emergency Number: 86-571-88938639

For CHEMTREC assistance, call: 86-571-88938639; FAX:86-571-88938652

Section 2 – Hazards Identification

Classification of the substance or mixture

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards-none

Section 3 – Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#
73-22-3	L-Tryptophan	98+	200-795-6

Section 4 - First Aid Measures

Eyes: Flush eyes with water as a precaution.

Skin: Wash off with soap and plenty of water.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: powder.

Color: white.

Odor: Not available.

pH: Not available.

Vapor Pressure: 8.3E-09mmHg at 25° C.

Viscosity: Not available.

Boiling Point: 447.9° C at 760 mmHg.

Freezing/Melting Point: 280 - 285 °C.

Autoignition Temperature: Not available.

Flash Point: 224.7° C.

Explosion Limits:Lower: Not available.

Explosion Limits Upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: 11.4 g/L (25 °C).

Index of refraction: -32 ° (C=1, H2O)

Specific rotation: -31.1 ° (c=1, H2O)

Specific Gravity/Density: 1.362g/cm³.

Bulk density (kg/m³): Not available.

Molecular Formula: C₁₁H₁₂N₂O₂

Molecular Weight: 204.23

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NO_x).

Section 11 - Toxicological Information

RTECS#: CAS#73-22-3: YN6130000

LD50/LC50: RTECS: LD50 Oral - rat - > 16,000 mg/kg

Carcinogenicity: L-Tryptophan- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Section 12 - Ecological Information

Not available.

Section 13 - Disposal Considerations

Product: Observe all federal, state, and local environmental regulations.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

IATA : Not regulated as a dangerous material.

RID/ADR: Not regulated as a dangerous material.

IMO: Not regulated as a dangerous material.

Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

Section 16 - Other Information

SDS Creation Date: 23/09/2011

Revision #1 Date: 29/08/2012

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 the company 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 the company has been advised of the possibility of such damages.