



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

Safety Data Sheet

No :M-1378

Section 1 - Product and Company Identification

MSDS Name: L-Arginine

Synonyms: (S)-2-Amino-5-guanidinopentanoic 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 hazardous substance or mixture according to Regulation (EC) No 1272/2008

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#
74-79-3	L-Arginine	99.0~101.0	200-811-1

Section 4 - First Aid Measures

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

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

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

Section 5 - Fire Fighting Measures

General Information: Wear self contained breathing apparatus for fire fighting if necessary.

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

Section 6 - Accidental Release Measures

Personal precautions: Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

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

Section 7 - Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

Section 8 - Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: General industrial hygiene practice.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder.

Color: white

Odor: bitter.

pH: 10.5 - 12 at 87 g/l at 25 °C

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 222 °C - dec.

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits:Lower: Not available.

Explosion Limits Upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: 87.1 g/l at 20 °C - completely soluble

Molecular Formula: C₆H₁₄N₄O₂

Molecular Weight: 174.2

Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

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# 74-79-3: CF1934200

LD50/LC50: RTECS: Not available.

Carcinogenicity: L-Arginine- 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: Offer surplus and non-recyclable solutions to a licensed disposal company.

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

MSDS Creation Date: 23/09/2007

Revision #1 Date: 20/01/2011

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