

## L-Arginine

Safety Data Sheet according to Federal Register / Vol. 77,  
No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 01-Feb-2024  
Supersedes: 26-Feb-2022

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	L-Arginine	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Arginine	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	74-79-3	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Not classified  
**GHS Labeling:** Not a dangerous substance according to GHS  
**GHS Hazard Pictograms:** None  
**GHS Hazard Statements:** None  
**GHS Precautionary Statements:** None  
**Potential Health Hazards:** Eyes: May be an irritant.  
 Inhalation: Not expected to be irritant.  
 Skin: May be an irritant.  
 Ingestion: No known hazards but may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
 It will increase the biological oxygen demand (BOD) of water.

**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
L-Arginine	74-79-3	100%	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention if necessary.

**Inhalation:** Remove from area of exposure; seek medical attention for difficulty breathing, coughing or choking.

**Skin:** Immediately wash skin with soap and flush with water. Seek medical attention if necessary.

**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious. Seek medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (Water spray, Carbon dioxide, dry chemical powder or foam) for adjacent fire. Do not use direct water jet.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Equipment should be thoroughly decontaminated after use.

**Specific hazards arising from the chemical:** Emits toxic fumes under fire conditions. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**  
**Environmental precautions:**

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.  
 Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:**

Sweep up and place in suitable, closed containers for disposal. Ventilate area & clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:**

Avoid raising dust. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:**

Store in cool, dry well-ventilated area. Recommended storage temperature is 15-30°C. Keep container tightly closed. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
L-Arginine	Not available		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

**Personal Protection:**

**Eyes:** Safety glasses should be worn.  
**Inhalation:** Local exhaust. Provide adequate ventilation.  
**Body:** Protective gloves made of rubber or neoprene. Suitable protective clothing should be worn.  
**Other:** Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White crystal or crystalline powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	10.5-12.0	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	235°C	<b>Solubility in Water:</b>	Approx. 14.8% in water (20°C)
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

**Reactivity:** No data available  
**Chemical Stability:** Stable under recommended storage conditions  
**Hazardous Polymerization:** Hazardous polymerization will not occur  
**Conditions to Avoid:** No data available

**Incompatible Materials:** Strong oxidizers  
**Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide, Nitrogen oxides

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** May be harmful if absorbed through the skin  
 May be harmful if inhaled  
 May be harmful if swallowed.

**Skin corrosion/irritation:** Not hazardous

**Serious eye damage/ irritation:** Not hazardous

**Respiratory/Skin Sensitization:** No data available

**Ingestion:** No data available

**Carcinogenicity:** No data available

**Teratogenicity:** No data available

**Germ Cell Mutagenicity:** No data available

**Embryotoxicity:** No data available

**Reproductive Toxicity:** No data available

**Specific Target Organ Toxicity:** Single exposure: May be irritating to mucous membranes and upper respiratory tract

**Repeated Dose Toxicity:** No data available

**RTECS No.** CF 1934200

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity**

**Aquatic Vertebrate:** No data available

**Aquatic Invertebrate:** No data available

**Terrestrial:** No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**PBT and vPvB Assessment:** No data available

**Other Adverse Effects:** No data available

## 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

**Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

**DOT (Dept. of Transportation, USA):** No data available

**TDG (Transportation of Dangerous Goods, Canada):** No data available

**IMDG (International Maritime Dangerous Goods):** No data available

**IATA (International Air Transport Association):** No data available

**ICAO (International Civil Aviation Organization):** No data available

## 15 REGULATORY INFORMATION

**Safety, health and environmental regulations / legislation specific for the substance or mixture:** OEL=MAK  
 NOES 1983: HZD X5534; NIS 4; TNF 792; NOS 14; TNE 19901; TFE 14903

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EPA TSCA Section 8(B) chemical inventory  
EPA TSCA Section 8(D) unpublished Health/Safety studies  
EPA TSCA Test Submission (TSCATS) Data Base, January 2001

## 16 OTHER INFORMATION

**Revision Date:** 01-Feb-2024

**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.