



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Arginine USP

30-3096

### Section 1: Identification

**Product Name** Arginine USP  
**Commercial Name** Not available.  
**Product Use** Various use (drugs, nutritional, industrial)  
**Restrictions On Use** Not available.  
**Product Code** 30-3096  
**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760  
**In case of emergency contact:**  
**CHEMTREC (24hr) 1-800-424-9300**

### Section 2: Hazard(s) Identification

**OSHA Haz Com:** Not available.  
**CFR 1910.1200**  
**Signal Word** NON-HAZARDOUS  
**Hazard Statement(s)** Not available.  
**Pictogram(s) or Symbol(s)**

#### Precautionary Statement(s):

**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Arginine USP  
**% By Weight** 100  
**CAS#** 74-79-3  
**Molecular Weight** 174.2 g/mole  
**Chemical Formula** C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>  
**Synonym(s)** (2S)-2-Amino-5-guanidinopentanoic acid

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Arginine USP	74-79-3	100	Not available.	Not available.

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>Skin Contact</b>	Wash with soap and water.
<b>Eye Contact</b>	Flush eyes with water as a precaution
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	
Not available.	

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

**Firefighters Special Equipment and Precautions**

Wear self-contained breathing apparatus for firefighting if necessary.

**Section 6: Accidental Release Measures**

Personal Precaution: Avoid dust formation. Avoid breathing vapours, mist or gas. Environmental Precaution: Do not let product enter drains. Clean-Up Methods: 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. Storage: Store in normal temperature. Keep container tightly closed in a dry and well-ventilated place.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	General industrial hygiene practice.
<b>Personal Protection</b>	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). Protective Equipment: Glove and safety goggles

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White powder		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	222 °C - dec	<b>pH</b>	Not available
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not applicable.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	87,1 g/l at 20 °C - completely soluble in water.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	Not available
<b>Hazardous Polymerization</b>	Not available
<b>Conditions to Avoid</b>	Not available
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Not available.

**Section 11: Toxicological Information****RTECS** CF1934200**Acute Toxicity**

Acute toxicity LD50 Oral - Rat - 12.000 mg/kg

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Not available.

**Symptoms Related to Exposure**

Not available.



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### Potential Health Effects

Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Ataxia. Lungs, Thorax, or Respiration: Dyspnea.

**Target Organ(s)** Not available.

### Section 12: Ecological Information

#### Ecotoxicity

Not available

#### Persistence and Degradability

Not available.

#### Bioaccumulative Potential

Not available.

#### Mobility in Soil

Not available.

#### Other Adverse Effects

Not available.

### Section 13: Disposal Considerations

#### Waste Disposal

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Disposal of Container

Dispose of as unused product

#### Other Considerations

Not available.

### Section 14: Transport Information

#### DOT Classification

Not available.

### Section 15: Regulatory Information

#### Regulations

Not available

#### Other

Not available.

### Section 16: Other Information

The information contained in this MSDS is, to the best of our knowledge true and accurate. Any recommendations or suggestions made are without guarantee, since the conditions of use are beyond our control.