

**AMINO ACID ORAL SOLUTION**

**Section 1: Identification of the Substance and Supplier**

**Product Name** Amino Acid Oral Solution  
**Recommended Use** Nutritional Supplement  
**Company Details** Sparhawk Laboratories Inc. 12340 Santa Fe Trail Dr. Lenexa, Ks. 66215  
**Emergency Telephone** 800-424-9300  
**Date of Preparations** 11/11/15

**Section 2: Hazards Identification**

**Hazard Classification** Not Hazardous  
**Priority Identifiers** None  
**Secondary Identifiers** None  
**Risk & Safety Phrases** Ingestion of unusually large amounts may cause vomiting, diarrhea any gastrointestinal upset.

**Section 3: Composition/Information on Ingredients**

Chemical Name	CAS Number	Concentration
I-Argenine	74-79-3	0 - 1% w/v
Calcium Chloride	10043-52-4	0 - 1% w/v
Dextrose Monohydrate	50-99-7	0 - 10% w/v
Citric Acid	77-92-9	0 - 1% w/v
I-Cysteine HCl H <sub>2</sub> O	7048-04-6	0 - 1% w/v
Magnesium Sulfate 7H <sub>2</sub> O	7487-88-9	0 - 1% w/v
Ethyl Paraben	120-47-8	0 - 1% w/v
I-Glutamic Acid	56-86-0	0 - 1% w/v
I-Histidine HCl H <sub>2</sub> O	5934-29-2	0 - 1% w/v
I-Isoleucine	73-32-5	0 - 1% w/v
Lactic Acid 88%	79-33-4	0 - 1% w/v
I-Leucine	61-90-5	0 - 1% w/v
I-Lysine HCl	657-27-2	0 - 1% w/v
I-Methionine	68-63-3	0 - 1% w/v
Methyl Paraben	99-76-3	0 - 1% w/v
Niacin amide	98-92-0	0 - 1% w/v
d-Panthenol	81-13-0	0 - 1% w/v
I-Phenylalanine	63-91-2	0 - 1% w/v
Potassium Chloride	7447-40-7	0 - 1% w/v
Propyl Paraben	941-13-3	0 - 1% w/v
Propylene Glycol	57-55-6	0 - 10% w/v
Pyridoxine HCl	58-56-0	0 - 1% w/v
Riboflavin 5 NaPO <sub>4</sub>	130-40-5	0 - 1% w/v
Sodium Acetate	127-09-3	0 - 1% w/v
Sorbitol 70%	50-70-4	0 - 10% w/v
Thiamine HCl	67-03-8	0 - 1% w/v
I-Threonine	72-19-5	0 - 1% w/v
I-Valine	72-18-4	0 - 1% w/v

Chemical Name	CAS Number	Concentration
Cyanocobalamin USP	68-19-9	0.01 – mcg/mL
Butylated Hydroxyanisole	25013-16-5	0.5 – 0.1 mcg/mL
Water for Injection	7732-18-5	QS

*Concentrations are listed as a range to protect proprietary information. The variations have no material effect on the safety data reported.*

## Section 4: First Aid Measures

**Necessary First Aid Measures**

Skin: Wash with soap and water  
 Eyes: Flush with water.  
 Inhalation: None  
 Ingestion: Drink plenty of water. Contact physician if symptoms persist.

## Section 5: Fire Fighting Measures

**Type of Hazard** Not Flammable  
**Fire Hazard Properties** None Applicable  
**Regulatory Requirements** None Applicable  
**Extinguishing Media and Methods** CO<sub>2</sub>, Extinguishing powder or water spray  
**Hazchem Code** None Applicable  
**Recommended Protective Clothing** Gloves and protective eye wear are optional

## Section 6: Accidental Release Measures

**Emergency Procedures** Small amounts-flush with water. Large spills-absorb liquid on clay or sand and shovel into DOT containers for disposal.

## Section 7: Handling and Storage

**Precautions for Safe Handling** Avoid contact with skin, eyes and mucosa  
**Regulatory Requirements** None Required  
**Handling Practices** Keep containers tightly sealed. Avoid physical contact.  
**Approved Handlers** Not Required  
**Conditions for Safe Storage** Store between 15°C-30°C (59°F-86°F)  
**Store Site Requirements** Controlled room temperature

## Section 8: Exposure control/Personal Protection

**Workplace Exposure Standards** None Applicable  
**Application in the workplace** None Applicable  
**Exposure standards outside the workplace** None Applicable  
**Personal protection** Protective apparel is required

## Section 9: Physical and Chemical Properties

Appearance	Yellow Liquid
Boiling Point	Approximately 100°C
Melting/Softening point	None Applicable

Vapor Pressure	Not determined
Specific Gravity	About 1.01
Solubility (H <sub>2</sub> O)	Soluble
Percent Volatiles	No volatiles present
Evaporation Rates	Not determined

**Section 10: Stability and Reactivity**

<b>Stability of the Substance</b>	Stable under labeled storage conditions
<b>Conditions to Avoid</b>	Excessive heat
<b>Material to Avoid</b>	None
<b>Hazardous Decomposition Products</b>	Toxic fumes may result from thermal decomposition: Carbon monoxide, carbon dioxide, Chloride, Oxides of phosphorous, potassium and sodium

**Section 11: Toxicological Information**

**Acute effects for individual ingredients only**

Ingestion of unusually large amounts may cause gastrointestinal upset, vomiting and diarrhea

**Section 12: Environmental Information**

**Effects for individual ingredients only**

None Applicable

**Section 13: Disposal Considerations**

<b>Disposal Information</b>	Flush small spills with water. For large spills, absorb liquid on clay, sand or other suitable absorbent material and shovel into DOT approved containers for disposal.
<b>Reference</b>	Flush area with detergent and water

**Section 14: Transport Information**

<b>Relevant Information</b>	No restrictions
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**Section 15: Regulatory Information**

<b>Regulatory Status</b>	None Applicable
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**Section 16: Other Information**

<b>Additional Information</b>	Keep out of reach of children. For animal use only.
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