

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 ₂ O | 7048-04-6 | 0 - 1% w/v |
| Magnesium Sulfate 7H ₂ 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 ₂ 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 ₄ | 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 CO₂, 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

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

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

Section 10: Stability and Reactivity

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| Stability of the Substance | Stable under labeled storage conditions |
| Conditions to Avoid | Excessive heat |
| Material to Avoid | None |
| Hazardous Decomposition Products | 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

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| Disposal Information | 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. |
| Reference | Flush area with detergent and water |

Section 14: Transport Information

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| Relevant Information | No restrictions |
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Section 15: Regulatory Information

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| Regulatory Status | None Applicable |
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Section 16: Other Information

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| Additional Information | Keep out of reach of children. For animal use only. |
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