

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

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

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

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

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

Relevant Information	No restrictions
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Section 15: Regulatory Information

Regulatory Status	None Applicable
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Section 16: Other Information

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