

SAFETY DATA SHEETS

This SDS packet was issued with item:

078417824

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078924222

MATERIAL SAFETY DATA SHEET

Sparhawk Laboratories
 12340 Santa Fe Trail Drive
 Lenexa, KS 66215

PRODUCT NAME-IDENTITY: Amino Acid Concentrate	CHEMICAL FAMILY: Nutritional Supplement	D.O.T. HAZARD CLASSIFICATION: Not Considered Hazardous
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MANUFACTURER NAME: Sparhawk Laboratories	EMERGENCY TELEPHONE #: 800-424-9300
ADDRESS: 12340 Santa Fe Trail Drive Lenexa, Kansas 66215	TELEPHONE # FOR INFORMATION: 913-888-7500
	DATE PREPARED: 2/3/93

HAZARDOUS INGREDIENT IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAMES): None hazardous: Significant ingredients include amino acids, electrolytes, vitamins, dextrose, propylene glycol in a liquid solution.

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	SPECIFIC GRAVITY:
VAPOR PRESSURE (mm Hg.):	MELTING POINT: N.A.
VAPOR DENSITY (Air = 1):	EVAPORATION RATE: (Butyl Acetate = 1)
SOLUBILITY IN WATER: Complete	
pH: 3.5 - 5.0	
APPEARANCE AND ODOR: Yellow liquid solution	

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non-flammable	FLAMMABLE LIMIT:	LEL	UEL
EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire, preferably water spray, alcohol foam, dry chemical, or carbon dioxide.			
SPECIAL FIREFIGHTING PROCEDURE: Isolate hazard. Evacuate personnel. Move containers away from area of fire if possible. Use water spray to cool fire exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.			
UNUSUAL FIRE & EXPLOSION HAZARDS: None known			

REACTIVITY DATA

STABILITY:	UNSTABLE		CONDITIONS TO AVOID:
	STABLE	X	
HAZARDOUS DECOMPOSITION OF BYPRODUCTS: Toxic fumes may result from thermal decomposition (carbon dioxide, carbon monoxide; chlorides, oxides of phosphorous, potassium and sodium).			
INCOMPATIBILITY: (MATERIALS TO AVOID):			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID:
	WILL NOT OCCUR	X	

AMINO ACID CONCENTRATE

HEALTH HAZARD DATA

ROUTES OF ENTRY:		HEALTH HAZARD (ACUTE & CRONIC):
SKIN/EYES?	Yes	Acute overexposure may cause irritation to eyes.
INHALATION?		
INGESTION?	Yes	Acute overexposure: Ingestion of unusually large amounts may cause vomiting, diarrhea and gastrointestinal upset.
CARCINOGENICITY: NA		
TOXICITY: Product is essentially non-toxic nutritive substance.		
SIGNS & SYMPTONS OF EXPOSURE:		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known		
EMERGENCY & FIRST AID PROCEDURES: No special emergency first aid procedures required. Eyes: Flush with large amounts of water. Seek medical attention if irritation develops. Skin: Thoroughly wash area with soap and water. Inhalation: Provide fresh air and if necessary, give oxygen. Ingestion: Give several glasses of water to dilute. If large amounts swallowed, seek medical attention.		

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For small spills, flush away with water. For large spills, absorb liquid on clay, sand or other suitable absorbent material and shovel into DOT approved containers for disposal. Flush area with detergent and water.
WASTE DISPOSAL METHOD: Follow local, state and federal disposal requirements.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Store between 15° and 30°C (59°-86°F).
OTHER PRECAUTIONS:

CONTROL & SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	
VENTILATION: LOCAL EXHAUST: Yes	SPECIAL:
MECHANICAL:	
PROTECTIVE GLOVES: Rubber	EYE PROTECTION: Goggles
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash stations and emergency showers should be provided.	
WORK/HYGENIC PRACTICES:	
OTHER:	

The above information is believed to be accurate and represents the best information available to us at the time this Material Safety Data Sheet was prepared. The information is provided to our customers in good faith; however, no warranty, expressed or implied, is made.