

SAFETY DATA SHEETS

This SDS packet was issued with item:

078713211

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078696871

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).

078909363

MATERIAL SAFETY DATA SHEET

Sparhawk Laboratories
12340 Santa Fe Trail Drive
Lenexa, KS 66215

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PRODUCT NAME-IDENTITY: Vitamin B-12 Injection 3000 mcg	CHEMICAL FAMILY: Nutritional (Vitamin)	D.O.T. HAZARD CLASSIFICATION: Not Considered Hazardous
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MANUFACTURER NAME: Sparhawk Laboratories	EMERGENCY TELEPHONE #:
ADDRESS: 12340 Santa Fe Trail Drive Lenexa, Kansas 66215	TELEPHONE # FOR INFORMATION: 913-888-7500
	DATE PREPARED: 3/28/95

HAZARDOUS INGREDIENT IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAMES): None considered hazardous: significant ingredients include cyanocobalamin - 3000 mcg per mL, in an aqueous base.

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 217°F	SPECIFIC GRAVITY: 1.045
VAPOR PRESSURE (mm Hg.): not determined	MELTING POINT: N/A
VAPOR DENSITY (Air = 1): not determined	EVAPORATION RATE: not determined (Butyl Acetate = 1)
SOLUBILITY IN WATER: Complete	
pH: 3.5 - 5.0	
APPEARANCE AND ODOR: Red liquid solution	

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A	FLAMMABLE LIMIT:	LEL	UEL
		N/A	N/A
EXTINGUISHING MEDIA: Water fog, alcohol foam dry chemical or carbon dioxide for surrounding fire.			
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: Exposure to fire may yield carbon monoxide and carbon dioxide fumes.			
INCOMPATIBILITY: (MATERIALS TO AVOID): Strong bases, strong acids, and oxidizing agents			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID:
	WILL NOT OCCUR	X	

HEALTH HAZARD DATA

ROUTES OF ENTRY:		HEALTH HAZARD (ACUTE & CRONIC):
SKIN/EYES?	Yes	Acute overexposure may cause irritation to eyes and skin.
INHALATION?		
INGESTION?	Yes	Acute overexposure: Ingestion of large amounts may cause nausea or vomitting.
CARCINOGENICITY: N/A		
TOXICITY: Product is essentially non-toxic nutritive substance.		
SIGNS & SYMPTOMS OF EXPOSURE: May cause slight irritaion to eyes and skin.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:		
EMERGENCY & FIRST AID PROCEDURES: Eyes: Flush with large amounts of water, and seek medical attention. 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 and seek medical attention.		

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill on inert material (i.e. dry sand or earth) - place in appropriate waste container 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° amd 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.

VITAMIN B12 3000 MCG/ML

Section 1: Identification of the Substance and Supplier

Product Name Vitamin B12 3000 mcg/mL

Recommended Use For use as a supplemental nutritive source of Vitamin B12 in cattle, horses, sheep, swine, dogs and cats.


Company Details Sparhawk Laboratories Inc. 12340 Santa Fe Trail Dr. Lenexa, Ks. 66215

Emergency Telephone 800-424-9300

Date of Preparations 11/09/15

Section 2: Hazards Identification

Hazard Classification None

Priority Identifiers  Warning

Secondary Identifiers Acute overexposure may cause irritation to eyes and skin. Ingestion of large amounts may cause nausea or vomiting. Product is essentially non-toxic nutritive substance.

Risk & Safety Phrases None Applicable

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration
Ammonium Sulfate	7783-20-2	1 mg
Benzyl Alcohol	100-51-6	10 mg
Citric Acid	77-92-9	119 mcg
Cyanocobalamin	68-19-9	3000 mcg
Sodium Chloride	7647-14-5	2.2 mg
Sodium Citrate	6132-04-3	79 mcg
Water for Injection	7732-18-5	QS

Section 4: First Aid Measures

Necessary First Aid Measures

Eyes: Flush with large amounts of water and seek medical attention

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 and seek medical attention.

Section 5: Fire Fighting Measures

Type of Hazard Not classified as flammable.

Fire Hazard Properties None Applicable.

Regulatory Requirements None Applicable.

Extinguishing Media and Methods Use water spray to cool fire exposed to containers.

Hazchem Code None Allocated.

Recommended Protective Clothing Self-contained breathing apparatus and protective clothes.

Section 6: Accidental Release Measures

Emergency Procedures

Protective clothing required. Absorb spill on inert material and place in appropriate waste container for disposal. Flush area with detergent and water. Follow Federal, State and local disposal requirements.

Section 7: Handling and Storage

Precautions for Safe Handling

Avoid contact with skin, eyes and mucosa. Keep containers adequately sealed during transfer, transport or when not in use.

Regulatory Requirements

None required.

Handling Practices

Avoid contact with skin, eyes and mucosa. Keep containers adequately sealed when not in use.

Approved Handlers

Not Required.

Conditions for Safe Storage

Store at controlled room temperature between 15° and 30°C (59° – 86°F)

Store Site Requirements

Avoid exposure to light.

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

Self-contained breathing apparatus, rubber gloves and goggles.

Section 9: Physical and Chemical Properties

Appearance	Red liquid solution.
Boiling Point	217°F (102.8°C)
Melting/Softening point	None Applicable
Vapor Pressure	Not Determined
Specific Gravity	1.045
Solubility (H ₂ O)	Complete
Percent Volatiles	None Applicable
Evaporation Rates	None Applicable

Section 10: Stability and Reactivity

Stability of the Substance

Stable

Conditions to Avoid

None

Material to Avoid

Strong bases, strong acids and oxidizing agents.

Hazardous Decomposition Products

Fire may yield carbon monoxide and carbon dioxide fumes.

Section 11: Toxicological Information

Acute effects for individual ingredients only

Acute overexposure may cause irritation of eyes and skin. Large amounts ingested may cause nausea or vomiting.

Section 12: Environmental Information**Effects for individual ingredients only**

None Applicable

Section 13: Disposal Considerations**Disposal Information**

Absorb spill on inert material and place in appropriate waste container for disposal. Flush area with detergent and water. Follow Federal, State and local disposal requirements.

Reference

None Applicable

Section 14: Transport Information**Relevant Information**

Not classified as a dangerous good for transport.

Section 15: Regulatory Information**Regulatory Status**

None Applicable

Section 16: Other Information**Additional Information**

Federal law restricts this drug to use by or on the order of a licensed Veterinarian. Keep out of reach of children. For animal use only