


VITAMIN B12 INJECTION 1000 mcg/mL

Section 1: Identification of the Substance and Supplier

Product Name	Vitamin B ₁₂ Injection 1000 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	1mg
Benzyl Alcohol	100-51-6	10mg
Citric Acid	77-92-9	119mcg
Cyanocobalamin	68-19-9	1000mcg
Sodium Chloride	7647-14-5	2.2mg
Sodium Citrate	6132-04-3	72mcg
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 containers.
Hazchem Code	None Allocated.
Recommended Protective Clothing	Self-contained breathing apparatus and protective clothing.

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 material 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). Avoid exposure to light.
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	103°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	May yield carbon monoxide and carbon dioxide fumes.

Section 11: Toxicological Information

Acute effects for individual ingredients only

Acute overexposure may cause irritation to 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