


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