


**VITAMIN AD INJECTION**

**Section 1: Identification of the Substance and Supplier**

**Product Name** Vitamin AD Injection  
**Recommended Use** For use as a supplemental nutritive source of Vitamin A and D in cattle.  
**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: Ingestion of large amounts may cause nausea or vomiting.  
**Risk & Safety Phrases** None

**Section 3: Composition/Information on Ingredients**

Chemical Name	CAS Number	Concentration
Benzyl Alcohol	100-51-6	2.0 v/v
Ethox CO-30	61791-12-6	20.0 v/v
Neobee M-20	68583-51-7	10.0 v/v
N-methyl-d-pyrrolidone	872-50-4	20.0 v/v
Polysorbate 80	9005-65-6	10.0 v/v
Vitamin A Propionate 2.5M IU/g	7069-42-3	500,000
Vitamin D <sub>3</sub> 40 M IU/g	67-97-0	75,000
Vitamin E (1,100 IU/g)	10191-41-0	5 IU
Ethox CO-30	61791-12-6	QS

**Section 4: First Aid Measures**

**Necessary First Aid Measures**  
 Eyes: Flush with large amounts of water and see 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 induce vomiting. If large amounts swallowed, 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** Water fog, alcohol foam dry chemical or carbon dioxide for surrounding fire. 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.  
**Hazchem Code** None Allocated.  
**Recommended Protective Clothing** Self-contained breathing apparatus, rubber gloves and goggles.

## Section 6: Accidental Release Measures

**Emergency Procedures** Self-contained breathing apparatus, rubber gloves and goggles. Absorb spill on inert material and place in appropriate waste container for disposal.

## 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** None Required.

**Conditions for Safe Storage** Container should be adequately sealed. Store at controlled room temperature between 15° and 30°C (59° – 86°F).

**Store Site Requirements** Protect from light and excessive heat.

## 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	Yellow-orange viscous liquid.
Boiling Point	Not Established.
Melting/Softening point	None Applicable.
Vapor Pressure	None Applicable
Specific Gravity	Not Established
Solubility (H <sub>2</sub> O)	Miscible
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** Oxidizing and reducing agents, alkalis and caustic agents.

**Hazardous Decomposition Products** Carbon Monoxide, Carbon Dioxide and Nitrous Oxide fumes.

## Section 11: Toxicological Information

### Acute effects for individual ingredients only

May cause slight irritation to eyes and Skin. Ingestion may result in nausea, vomiting and impaired renal functions. Kidney conditions and impaired renal functions may be aggravated by long term chronic exposure.

**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. 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** For animal use only. Keep out of reach of children.