

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078696905

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

078696897 078917182 078917229 078944771

**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).**

078057965 078057973 078910196

MATERIAL SAFETY DATA SHEET

Sparhawk Laboratories  
 12340 Santa Fe Trail Drive  
 Lenexa, KS 66215

PRODUCT NAME-IDENTITY: Vitamin C Injection	CHEMICAL FAMILY: Nutritional Vitamin	D.O.T. HAZARD CLASSIFICATION: Not Considered Hazardous
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MANUFACTURER NAME: Sparhawk Laboratories	
ADDRESS: 12340 Santa Fe Trail Drive Lenexa, KS 66215	TELEPHONE # FOR INFORMATION: 913-888-7500 DATE PREPARED: 07/23/12

HAZARDOUS INGREDIENT IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAMES): Significant ingredient is Sodium Ascorbate 250 mg per mL, in an aqueous base.
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PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 217°F	SPECIFIC GRAVITY: 1.13 g/mL
VAPOR PRESSURE (mm Hg.): Not determined	MELTING POINT: N/A
VAPOR DENSITY (Air = 1): Not determined	EVAPORATION RATE: Not determined
SOLUBILITY IN WATER: Miscible	
pH: 6.5 – 8.0	
APPEARANCE AND ODOR: Colorless liquid	

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A	FLAMMABLE LIMIT:	LEL N/A	UEL N/A
EXTINGUISHING MEDIA: Water fog, alcohol foam dry chemical, or carbon dioxide for surrounding fire.			
SPECIAL FIRE FIGHTING 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	<input type="checkbox"/>	CONDITIONS TO AVOID:
	STABLE	<input checked="" type="checkbox"/>	
HAZARDOUS DECOMPOSITION OF BYPRODUCTS: Exposure to fire may yield carbon monoxide and carbon dioxide fumes.			
INCOMPATIBILITY: (MATERIALS TO AVOID):			
HAZARDOUS POLYMERIZATION:	MAY OCCUR	<input type="checkbox"/>	CONDITIONS TO AVOID:
	WILL NOT OCCUR	<input checked="" type="checkbox"/>	

HEALTH HAZARD DATA

ROUTES OF ENTRY	HEALTH HAZARD (Acute & Chronic)
SKIN/EYES?	Yes – Acute overexposure may cause irritation to eyes.
INHALATION?	
INGESTION?	Yes – Acute overexposure: Ingestion of large amounts may cause nausea or vomiting.
CARCINOGENICITY: N/A	
TOXICITY: Product is essentially a non-toxic nutritive substance.	
SIGNS & SYMPTOMS OF EXPOSURE: May cause slight irritation 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. If large amounts swallowed, 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 an 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 at controlled room temperature between 15° and 30°C (59°-86°F). Protect from light.
OTHER PRECAUTIONS:

CONTROL & SPECIAL PROTECTION INFORMATION

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

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

<b>Product Name</b>	Vitamin C Injection
<b>Recommended Use</b>	For use as a nutritive supplement of Vitamin C in cattle, horses, sheep, swine, dogs and cats.
<b>Company Details</b>	Sparhawk Laboratories Inc. 12340 Santa Fe Trail Dr. Lenexa, Ks. 66215
<b>Emergency Telephone</b>	800-424-9300
<b>Date of Preparations</b>	11/06/15

### Section 2: Hazards Identification

<b>Hazard Classification</b>	None
<b>Priority Identifiers</b>	Warning 
<b>Secondary Identifiers</b>	Acute overexposure may cause irritation to eyes. Ingestion of large amounts may cause nausea or vomiting. Product is essentially a non-toxic nutritive substance.
<b>Risk &amp; Safety Phrases</b>	None Applicable

### Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration
Disodium Edetate	139-33-3	0.10%
Methyl Paraben	99-76-3	0.18%
Propyl Paraben	94-13-3	0.02%
Sodium Ascorbate	134-03-02	25.0%
Monothioglycerol	96-27-5	0.50%
Water for Injection	7732-18-5	QS

### Section 4: First Aid Measures

<b>Necessary First Aid Measures</b>	<p>Eyes: Flush with large amounts of water and seek medical attention</p> <p>Skin: Thoroughly wash area with soap and water</p> <p>Inhalation: Provide fresh air and if necessary give oxygen</p> <p>Ingestion: Give several glasses of water to dilute. If large amounts swallowed, seek medical attention.</p>
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### Section 5: Fire Fighting Measures

<b>Type of Hazard</b>	Not classified as flammable.
<b>Fire Hazard Properties</b>	None Applicable
<b>Regulatory Requirements</b>	None Applicable
<b>Extinguishing Media and Methods</b>	Water fog, alcohol foam dry chemical, or carbon dioxide for surrounding area. Move containers away from area of fire if possible. Wear self-contained breathing apparatus and protective clothing.
<b>Hazchem Code</b>	None Allocated
<b>Recommended Protective Clothing</b>	Self-contained breathing apparatus, rubber gloves and goggles.

## Section 6: Accidental Release Measures

### Emergency Procedures

Absorb spill on inert material (i.e. dry sand or earth). Place in an appropriate waste container for disposal. Flush area with detergent and water. Dispose of following Federal, State and local disposal requirements.

## Section 7: Handling and Storage

### Precautions for Safe Handling

Avoid contact with skin, eyes and mucosa. Keep container 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 container 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

Protect from 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

Rubber gloves and goggles.

## Section 9: Physical and Chemical Properties

Appearance	Colorless liquid.
Boiling Point	103°C
Melting/Softening point	None Applicable
Vapor Pressure	Not Determined
Specific Gravity	1.13
Solubility (H <sub>2</sub> O)	Miscible
Percent Volatiles	None Applicable
Evaporation Rates	Not Determined

## Section 10: Stability and Reactivity

### Stability of the Substance

Stable

### Conditions to Avoid

Protect from light.

### Material to Avoid

None

### Hazardous Decomposition Products

Exposure to fire 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. Ingestion of large amounts may cause nausea or vomiting. Product is essentially a non-toxic nutritive substance.

**Section 12: Environmental Information**

Effects for individual ingredients only Non Applicable.

None Applicable

**Section 13: Disposal Considerations**

**Disposal Information** Absorb spill on inert material (i.e. dry sand or earth). Place in appropriate waste container for disposal. Flush area with detergent and water.

**Reference** None Applicable

**Section 14: Transport Information**

**Relevant Information** Not classified as dangerous goods 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.