

SAFETY DATA SHEETS

This SDS packet was issued with item:

078057973

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 078696905 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 078910196

MATERIAL SAFETY DATA SHEET

Sparhawk Laboratories
12340 Santa Fe Trail Drive
Lenexa, KS 66215

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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.

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):	FLAMMABLE LIMIT:	LEL	UEL
N/A		N/A	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.

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Catalog Numbers: VT5000-H, VT5000-E, VT5000-I, VT5000-J, VT5000-K, VT5000-M
Product Identity: Vitamin C Tablets

Chemical Family: Not Applicable

Synonyms: Ascorbic Acid and Fructose buffered with Dolomite

Recommended Use: Laboratory materials

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 11/13/12

Revision Date:

Section 2 – Hazard Identification

Emergency Overview: May cause eye, skin and respiratory tract irritation. Wash areas of contact with water.

Appearance: Tablet

Odor: Characteristic

Target Organs: Eyes, skin

Potential Health Effects/ Routes of Exposure:

Eyes: May cause irritation, redness and tearing.

Skin: May cause irritation

Ingestion: Not likely to be a hazard.

Inhalation: May cause irritation

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions No information available

These chemicals are not considered hazardous by OSHA.

See Section 11 for toxicological information. See Section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

Vitamin C (Buffered Ascorbic Acid), CAS# NA – Not a hazardous substance, Not for human consumption

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: Dilute with water. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable **Autoignition Temperature** No information available.

Explosion Limits Upper No data available **Lower** No data available

Extinguishing Media: Use means suitable to extinguishing surrounding fire.

Unsuitable Extinguishing Media: No information available

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information Available

Sensitivity to mechanical impact No information available.

Sensitivity to static discharge No information available.

Specific Hazards Arising from the Chemical: No information available

NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Environmental Precautions Not relevant considering the small amounts used.

Methods for Containment and Clean Up Absorb with suitable material. Always obey local regulations. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.

Storage: Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Vitamin C (Buffered Ascorbic Acid), CAS# NA, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.

Eye/Face Protection: Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Tablet

Odor: Characteristic

Boiling Point: No Information Available

Melting Point: No Information Available

Vapor Density: No Information Available

Evaporation Rate: No Information Available

pH: Not Available

Flammability: No Information Available

Solubility: Infinite

Relative Density: No Information Available

% Volatility: No Information Available

Specific Gravity: Not available

Vapor Pressure: No Information Available

Flash Point: Not Applicable

Coefficient of water/oil distribution: Not Available

Odor Threshold: Not Available

Decomposition Temperature: No Information Available

Partition Coefficient n-octanol/water: Not available

Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatible Materials None Known

Conditions to Avoid: No Information Available.

Hazardous Decomposition Products: None Known

Hazardous Polymerization: Does not occur

Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2

LD50 orl-rat: NA LC50 inhalation-rat: NA

Irritation: No Information Available

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity No Information Available

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects (Immediate/Delayed) No information available.

Teratogenicity No information available.

Other Adverse Effects No Information Available.

Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: Not Available.

Persistence and Degradability: No Information Available

Mobility: No Information Available

Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Dilute with water.

All chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT - Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: These chemicals are not listed on Canada's DSL list.

TSCA: The components of this solution are not listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable

WHMIS: Not Applicable.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

Section 16 – Additional Information


Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.

VITAMIN C INJECTION

Section 1: Identification of the Substance and Supplier

Product Name	Vitamin C Injection
Recommended Use	For use as a nutritive supplement of Vitamin C 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	11/06/15

Section 2: Hazards Identification

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

Necessary First Aid Measures	<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

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 area. Move containers away from area of fire if possible. Wear self-contained breathing apparatus and protective clothing.
Hazchem Code	None Allocated
Recommended Protective Clothing	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 ₂ 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.