

SAFETY DATA SHEETS

This SDS packet was issued with item:

078057965

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).

078057973 078910196

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 | % Volatility: No Information Available |
| Boiling Point: No Information Available | Specific Gravity: Not available |
| Melting Point: No Information Available | Vapor Pressure: No Information Available |
| Vapor Density: No Information Available | Flash Point: Not Applicable |
| Evaporation Rate: No Information Available | Coefficient of water/oil distribution: Not Available |
| pH: Not Available | Odor Threshold: Not Available |
| Flammability: No Information Available | Decomposition Temperature: No Information Available |
| Solubility: Infinite | Partition Coefficient n-octanol/water: Not available |
| Relative Density: No Information 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> |
|-------------------------------------|--|

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.