

SAFETY DATA SHEETS

This SDS packet was issued with item:

078466910

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

078467100

MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification VITA FLEX PURE C

Product Code: VF-PURE C

Product Name: VITA FLEX PURE C **Chemical Family:** Vitamins

Synonyms

Ascorbic Acid

Manufacturer Name and Address:

Vita-Flex Products

1302-B Lew Ross Road
Council Bluffs, IA. 51501
United States of America

Telephone Numbers:

CHEMTREC (800)424-9300

Marketing (800)848-2359

Dates:

Date Created:

06/08/2002

Revision: 08/27/2007

Printed: 08/28/2007

Additional Identity Information

3000106 1-lb

3000108 2-lb

3000109 4-lb

3000107 10-lb

SECTION 2. Composition/Information on Ingredients VITA FLEX PURE C

Hazardous Components (Chemical Name)	CAS #	Concentration
1. FEED GRADE INGREDIENTS	NA	100.0 %

OSHA PEL	ACGIH TLV
1. No data.	No data.

SECTION 3. Hazards Identification VITA FLEX PURE C

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

Potential Health Effects (Acute and Chronic)

No data available.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information

No data available.

Signs and Symptoms Of Exposure

Reddening and tearing of the eyes. Dermatitis of the skin. Asthma and other allergic reactions. Diarrhea and urate or cystine stones in the urinary bladder.

Medical Conditions Generally Aggravated By Exposure

Pre-existing eye and/or skin irritation; respiratory disorders.

SECTION 4. First Aid Measures
VITA FLEX PURE C

Emergency and First Aid Procedures

INHALATION = Remove victim to fresh air and provide oxygen if breathing is difficult. Obtain medical attention.

SKIN CONTACT = Flush skin with plenty of water. If irritation occurs, seek medical attention.

INGESTION = Do not give liquids if victim is unconscious or drowsy. Otherwise give large amounts of water and induce vomiting. Obtain medical attention.

EYE CONTACT = Immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention.

Note to Physician

No data available.

SECTION 5. Fire Fighting Measures
VITA FLEX PURE C

Flash Pt: N.A. **Method Used:** No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: N.A. **Extinguishing Media**

Use water spray, water fog, "alcohol" foam, dry chemical or CO₂, to suit surrounding materials.

Fire Fighting Instructions

Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Flammable Properties and Hazards

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure. When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Combustion Products

No data available.

SECTION 6. Accidental Release Measures **VITA FLEX PURE C**

Steps To Be Taken In Case Material Is Released Or Spilled

Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

SECTION 7. Handling and Storage **VITA FLEX PURE C**

Precautions To Be Taken in Handling

Avoid heat, sparks, or flame. Do not store in warm moist area due to the potential for spontaneous combustion.

Precautions To Be Taken in Storing

No data available.

Other Precautions

No data available.

SECTION 8. Exposure Controls/Personal Protection **VITA FLEX PURE C**

Respiratory Equipment (Specify Type)

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection

Chemical goggles

Protective Gloves

Wear chemical resistant gloves.

Other Protective Clothing

No data available.

Engineering Controls (Ventilation etc.)

Provided local exhaust ventilation and supply fresh air to maintain a safe work environment.

Work/Hygienic/Maintenance Practices

Safety showers and eye wash stations should be available.

SECTION 9. Physical and Chemical Properties VITA FLEX PURE C

Solubility Notes

Appreciable

Physical States: Gas , Liquid , Solid

Boiling Point: N.A. to N.A.

Melting Point: N.A. to N.A.

Specific Gravity (Water = 1): 1.65N.A.

Density: No data.

Vapor Pressure (vs. Air or mm Hg): N.A.

Vapor Density (vs. Air = 1): N.A.

Evaporation Rate (vs Butyl Acetate=1): N.A.

Solubility in Water: N.A.

Percent Volatile: No data.

Saturated Vapor Concentration: No data.

Viscosity: No data.

pH: No data.

Appearance and Odor

White or slightly yellowish powder or crystals with very slight odor.

SECTION 10. Stability and Reactivity VITA FLEX PURE C

Stability: Unstable Stable

Conditions To Avoid - Instability

Warm, moist storage. High heat and flame.

Incompatibility - Materials To Avoid

No data available.

Hazardous Decomposition Or Byproducts

Carbon monoxide, oxides of nitrogen, oxides of sulfur and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will occur Will not occur

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information VITA FLEX PURE C

No data available.

SECTION 12. Ecological Information
VITA FLEX PURE C

No data available.

SECTION 13. Disposal Considerations
VITA FLEX PURE C

Waste Disposal Method

Under EPA-RCRA (40 CFR 261), If this product becomes a waste material, it is not hazardous waste. Refer to latest EPA or state regulations regarding proper disposal.

SECTION 14. Transport Information
VITA FLEX PURE C

DOT Proper Shipping Name

No data available.

Additional Transport Information

No data available.

SECTION 15. Regulatory Information
VITA FLEX PURE C

No data available.

SECTION 16. Other Information
VITA FLEX PURE C

Supersedes Revision 04/15/2004

This product contains NO toxic chemicals currently subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.



Pure C Premium Quality Vitamin C

Safety Data Sheet

Date of issue: 06/08/2002

Revision date: 03/30/2020

Supersedes: 08/27/2007

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Substance
Trade name : Pure C Premium Quality Vitamin C
Synonyms : 3000108

1.2. Recommended use and restrictions on use

Recommended use : Nutrient for horses.
Restrictions on use : Avoid contact with eyes and clothing. Do not use or store near heat or open flame.

1.3. Supplier

Vita Flex Nutrition
1302-B Lew Ross Road
Council Bluffs, IA 51501
www.vitaflex.com
1-800-848-2359 - 7:00 am - 3:45 pm MST Monday - Friday

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Combustible Dust May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Signal word (GHS US) : Warning
Hazard statements (GHS US) : May form combustible dust concentrations in air

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name	Product identifier	%
Ascorbic acid	(CAS-No.) 50-81-7	100

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

Pure C Premium Quality Vitamin C

Safety Data Sheet

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.

Unsuitable extinguishing media : Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical

Explosion hazard : Dust cloud can be ignited by a spark. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Reactivity : This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Ventilate closed spaces before entering. Eliminate ignition sources. Move containers away from the fire area if this can be done without risk.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with skin, eyes and clothing. Wear suitable protective equipment.

Emergency procedures : Evacuate unnecessary personnel. No flames, no sparks. Eliminate all sources of ignition. Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.

Emergency procedures : Contain spill and monitor for excessive dust accumulation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Evacuate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Non-sparking tools should be used. Sweep or scoop spills, dispose of any unusable material in approved landfill. Use appropriate PPE.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Ensure good ventilation of the work station. Avoid dust formation. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Wear personal protective equipment. Avoid breathing dust.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in original container. Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

Incompatible materials : Heat, sparks, open flame. Strong oxidizers.

Pure C Premium Quality Vitamin C

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Not required for normal conditions of use

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, use NIOSH approved respiratory protection.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: White to slightly yellowish powder or crystals
Color	: White to slightly yellowish
Odor	: Slight
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non-flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 1.65
Solubility	: Soluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable

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Explosive properties : Combustible dust
Oxidizing properties : Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

10.4. Conditions to avoid

Avoid dust formation. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents. Heat, sparks, open flame.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ascorbic acid (50-81-7)	
LD50 oral rat	11900 mg/kg (Rat, Oral)

GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

Potential health effects

Inhalation

Acute : Exposure to dust may cause nasal and respiratory irritation.
Chronic : Repeated or prolonged inhalation of dust may cause respiratory irritation.

Skin

Acute : May cause mild mechanical irritation.

Eye

Acute : May cause mild mechanical irritation.

Ingestion

Acute : Under normal conditions of use, no health effects are expected.

Mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive Effects : Not classified.

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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Ascorbic acid (50-81-7)

Persistence and degradability	Readily biodegradable in water.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
IMDG	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
IATA	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Ascorbic acid (50-81-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

No additional information available

SECTION 16: Other information

Date of issue : 08 June 2002
Revision date : 30 March 2020
Supersedes : 27 August 2007

SDS US (GHS HazCom 2012) - CGP

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