

## **SAFETY DATA SHEETS**

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

078466894

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

078466902

# MATERIAL SAFETY DATA SHEET

## SECTION 1. Product and Company Identification VITA FLEX E & SELENIUM

**Product Code:** VF-E & SELENIUM

**Product Name:** VITA FLEX E & SELENIUM **Intended Use:** Feed Supplement for Horses

**Chemical Family:** FEED SUPPLEMENT

**Manufacturer Name and  
Address:**

**Telephone  
Numbers:**

**Dates:**

Vita-Flex Products

CHEMTREC (800)424-9300

Date Created:

06/07/2001

1302-B Lew Ross Road

Council Bluffs, IA. 51501

Marketing (800)848-2359

Revision: 08/27/2007

Printed: 08/28/2007

United States of America

**Additional Identity Information**

3000051 4-lb

3000050 20-lb

## SECTION 2. Composition/Information on Ingredients VITA FLEX E & SELENIUM

Hazardous Components (Chemical Name)	CAS #	Concentration
No data available.		
OSHA PEL	ACGIH TLV	
No data available.		

## SECTION 3. Hazards Identification VITA FLEX E & SELENIUM

### Emergency Overview

No data available.

**Route(s) of Entry:** Inhalation? Yes , Skin? No , Eyes? Yes , Ingestion? No

**Potential Health Effects (Acute and Chronic)**

No known health hazards. Not for human use.

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

**Carcinogenicity/Other Information**

No data available.

**Recommended Exposure Limits**

N/A

**LD 50 / LC 50**

N/A

**Signs and Symptoms Of Exposure**

Contact with skin, eye and/or inhalation of dust may cause irritation.

**Medical Conditions Generally Aggravated By Exposure**

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

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**SECTION 4. First Aid Measures**  
**VITA FLEX E & SELENIUM**

**Emergency and First Aid Procedures**

IF SWALLOWED: Do NOT induce vomiting. Drink glass of water and contact physician or Poison Control Center. Never induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove patient to fresh air.

IF IN EYES: Rinse with plenty of water to remove dust and solids. Get medical attention if irritation occurs.

IN ON SKIN: Wash with plenty of soap and water.

**Note to Physician**

No data available.

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**SECTION 5. Fire Fighting Measures**  
**VITA FLEX E & SELENIUM**

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

**Explosive Limits:** LEL: NA UEL: NA

**Extinguishing Media**

Water, CO2 or as appropriate for surrounding materials.

**Fire Fighting Instructions**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear.

**Flammable Properties and Hazards**

Avoid formation of dust cloud, as high concentrations of dust may represent an explosion hazard.

## **Hazardous Combustion Products**

No data available.

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## **SECTION 6. Accidental Release Measures VITA FLEX E & SELENIUM**

### **Steps To Be Taken In Case Material Is Released Or Spilled**

Sweep and/or scoop up spill, dispose of any unusable material in approved landfill.

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## **SECTION 7. Handling and Storage VITA FLEX E & SELENIUM**

### **Hazard Label Information:**

Store away from incompatible material

### **Precautions To Be Taken in Handling**

none

### **Precautions To Be Taken in Storing**

No data available.

### **Other Precautions**

KEEP OUT OF REACH OF CHILDREN. Not for human consumption.

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## **SECTION 8. Exposure Controls/Personal Protection VITA FLEX E & SELENIUM**

### **Respiratory Equipment (Specify Type)**

Dust protectant face mask if necessary.

### **Eye Protection**

Safety glasses to protect from dust.

### **Protective Gloves**

none

### **Other Protective Clothing**

none

### **Engineering Controls (Ventilation etc.)**

Local Exhaust: sufficient

Special:

Mechanical (Gen):

Other:

#### **Work/Hygienic/Maintenance Practices**

Wash hands before eating, smoking, or using restroom. Clean up dusty situations.

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### **SECTION 9. Physical and Chemical Properties VITA FLEX E & SELENIUM**

<b>Physical States:</b>	<input type="checkbox"/> Gas , <input type="checkbox"/> Liquid , <input checked="" type="checkbox"/> Solid
<b>Boiling Point:</b>	N.A.
<b>Melting Point:</b>	N.A.
<b>Specific Gravity (Water = 1):</b>	N.A.
<b>Density:</b>	No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	N.A.
<b>Vapor Density (vs. Air = 1):</b>	N.A.
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	N.A.
<b>Solubility in Water:</b>	Soluble
<b>Percent Volatile:</b>	N.A.
<b>Saturated Vapor Concentration:</b>	No data.
<b>Viscosity:</b>	No data.
<b>pH:</b>	NA

#### **Appearance and Odor**

Light brown to tan with meal-like texture and bland, yeast odor.

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### **SECTION 10. Stability and Reactivity VITA FLEX E & SELENIUM**

**Stability:** Unstable ☐ Stable ☒

#### **Conditions To Avoid - Instability**

Heat & Moisture.

#### **Incompatibility - Materials To Avoid**

As with all food/feed stuffs, avoid storage with or near toxic substances.

#### **Hazardous Decomposition Or Byproducts**

None known

**Hazardous Polymerization:** Will occur ☐ Will not occur ☒

#### **Conditions To Avoid - Hazardous Polymerization**

Will not occur.

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**SECTION 11. Toxicological Information**  
**VITA FLEX E & SELENIUM**

No data available.

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**SECTION 12. Ecological Information**  
**VITA FLEX E & SELENIUM**

No data available.

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**SECTION 13. Disposal Considerations**  
**VITA FLEX E & SELENIUM**

**Waste Disposal Method**

Dispose of in accordance with Local, State and Federal regulations, usually in approved landfill.

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**SECTION 14. Transport Information**  
**VITA FLEX E & SELENIUM**

**DOT Proper Shipping Name**

No data available.

**DOT Hazard Label:** NONE

**UN/NA Number:** No dat

**Additional Transport Information**

No data available.

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**SECTION 15. Regulatory Information**  
**VITA FLEX E & SELENIUM**

No data available.

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**SECTION 16. Other Information**  
**VITA FLEX E & SELENIUM**

**Supersedes Revision 06/07/2001**

This product contains a blend of feed and/or foodstuffs. All ingredients contained in this product are defined as feed ingredients by the association of American Feed Control Officials (AAFCO). All ingredients are used in accordance with the definitions provided by AAFCO.

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.

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# E & Selenium Balanced Essential Antioxidants

## Safety Data Sheet

Date of issue: 06/07/2001

Revision date: 02/04/2020

Supersedes: 08/27/2007

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : E & Selenium Balanced Essential Antioxidants  
Synonyms : 3000050, 3000051

#### 1.2. Recommended use and restrictions on use

Recommended use : Supplement for horses.  
Restrictions on use : Avoid contact with eyes and clothing. Do not use or store near heat or open flame. Keep out of reach of children.

#### 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  
www.vitaflex.com

#### 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

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Yeast culture	(CAS-No.) N/A	85 – 90
Silica, amorphous, precipitated and gel	(CAS-No.) 112926-00-8	2.9 – 3.7
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

### 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.



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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.

### 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/vapors/spray. Contain spill and monitor for excessive dust accumulation. Turn off electric power to area.

#### 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.
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## 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. Avoid dust formation. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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### 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. Keep container tightly closed. Avoid humid, wet or moist conditions.
- Incompatible materials : Heat, sparks, open flame. Strong oxidizers. Strong acids. Strong bases. Moisture and humidity.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Silica, amorphous, precipitated and gel (112926-00-8)		
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	Mineral Dusts: 20 mppcf TWA; (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup>
OSHA	Remark (OSHA)	(3) See Table Z-3.

### 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:

Safety glasses

#### Skin and body protection:

If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

#### 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 : Meal-like brown/tan granular powder
- Color : Brown to tan
- Odor : Bland yeast
- 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 : No data available

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Solubility	: Insoluble
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
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. Avoid humid, moist or wet conditions.

### 10.5. Incompatible materials

Strong acids. Strong bases. 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

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 cells mutagen	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicant (single exposure)	Not classified
Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	Not classified

### Potential health effects

#### Inhalation

Acute : Exposure to dust may cause nasal and respiratory irritation.

#### Skin

Acute : May cause mild mechanical irritation.

#### Eye

Acute : May cause mild mechanical irritation.

#### Ingestion

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

**Mutagenicity** : Not classified.

**Carcinogenicity** : Not classified.

**Reproductive Effects** : Not classified.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 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
<b>DOT</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IMDG</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IATA</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Date of issue : 07 June 2001

Revision date : 04 February 2020

Supersedes : 27 August 2007

SDS US (GHS HazCom 2012) - CGP

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