

SAFETY DATA SHEETS

This SDS packet was issued with item:

078467035

N/A

MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification VITA FLEX LACTANASE

Product Code: VF-LACTANASE

Product Name: VITA FLEX LACTANASE **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

3000088 25-gm

SECTION 2. Composition/Information on Ingredients VITA FLEX LACTANASE

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 LACTANASE

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? No , 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.

SECTION 4. First Aid Measures
VITA FLEX LACTANASE**Emergency and First Aid Procedures**

IF SWALLOWED: Drink glass of water and contact physician.

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.

SECTION 5. Fire Fighting Measures
VITA FLEX LACTANASE

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.

SECTION 6. Accidental Release Measures

VITA FLEX LACTANASE

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.

SECTION 7. Handling and Storage

VITA FLEX LACTANASE

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.

SECTION 8. Exposure Controls/Personal Protection

VITA FLEX LACTANASE

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.

SECTION 9. Physical and Chemical Properties

VITA FLEX LACTANASE

Physical States:	<input type="checkbox"/> Gas , <input type="checkbox"/> Liquid , <input checked="" type="checkbox"/> Solid
Boiling Point:	N.A.
Melting Point:	N.A.
Specific Gravity (Water = 1):	N.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:	Not Soluble
Percent Volatile:	N.A.
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
pH:	NA
Appearance and Odor	
Yellow granular with sweet, cherry odor.	

SECTION 10. Stability and Reactivity

VITA FLEX LACTANASE

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.

SECTION 11. Toxicological Information

VITA FLEX LACTANASE

No data available.

SECTION 12. Ecological Information
VITA FLEX LACTANASE

No data available.

SECTION 13. Disposal Considerations
VITA FLEX LACTANASE

Waste Disposal Method

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

SECTION 14. Transport Information
VITA FLEX LACTANASE

DOT Proper Shipping Name

No data available.

DOT Hazard Label: NONE

UN/NA Number: No dat

Additional Transport Information

No data available.

SECTION 15. Regulatory Information
VITA FLEX LACTANASE

No data available.

SECTION 16. Other Information
VITA FLEX LACTANASE

Supersedes Revision 02/20/2003

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.



Lactanase

Safety Data Sheet

Date of issue: 06/07/2001

Revision date: 12/11/2018

Supersedes: 08/27/2007

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Lactanase
Synonyms : 3000088

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

1.4. Emergency telephone number

Emergency number : 1-800-848-2359, 7:00 am - 3:45 pm MST Monday - Friday
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

Skin sensitization, Category 1 : May cause an allergic skin reaction
Combustible Dust : May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



GHS07

Signal word (GHS US) : Warning
Hazard statements (GHS US) : May form combustible dust concentrations in air
May cause an allergic skin reaction
Precautionary statements (GHS US) : Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container to in accordance with local/regional/national/international regulations.

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

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Glucitol/Vitamin mixture	(CAS-No.) 50-70-4	80 - 85
Cherry flavor	(CAS-No.) N/A	2.47
Silica, amorphous, precipitated and gel	(CAS-No.) 112926-00-8	2
Other ingredients	(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.
- 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)

- Symptoms/effects after skin contact : An allergic skin reaction may occur in individuals with a sensitivity to cherry flavoring.

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

- Fire hazard : May ignite spontaneously if exposed to air.
- 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.

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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. 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.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Lactanase		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ inhalable particles, recommended TWA: 3 mg/m ³ respirable particles, recommended (Particulates not otherwise regulated)
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (Particulates not otherwise regulated)
Silica, amorphous, precipitated and gel (112926-00-8)		
OSHA	OSHA PEL (TWA) (mg/m ³)	Mineral Dusts: 20 mppcf TWA; (80)/(% SiO ₂) mg/m ³
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:

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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	: Pale yellow granular powder
Color	: Pale yellow
Odor	: Cherry
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
Solubility	: Insoluble
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. Water, humidity.

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

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GHS-US Properties	Classification
Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	May cause an allergic skin reaction.
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. An allergic skin reaction may occur in individuals with a sensitivity to cherry flavoring.

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.

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
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable

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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

Glucitol/Vitamin mixture (50-70-4)

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 : 07 June 2001
Revision date : 11 December 2018
Supersedes : 27 August 2007

SDS US (GHS HazCom 2012) - CGP

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