SAFETY DATA SHEETS

This SDS packet was issued with item:

078466654

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

078466647

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. Product and Company Identification
VITA FLEX ACCULYTES

Product Code: VF-ACCULYTES
Product Name: VITA FLEX ACCULYTES **Intended Use:** Feed Supplement for Horses
Chemical Family: COMPOUND

Manufacturer Name and Address:	Telephone Numbers:	Dates:
Vita-Flex Products	CHEMTREC (800)424-9300	Date Created: 02/18/2003
1302-B Lew Ross Road		Revision: 08/27/2007
Council Bluffs, IA. 51501	Marketing (800)848-2359	Printed: 08/28/2007
United States of America		

Additional Identity Information
3000011 5-lb
3000008 10-lb
3000009 20-lb

SECTION 2. Composition/Information on Ingredients
VITA FLEX ACCULYTES

	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 ACCULYTES

Emergency Overview
No data available.
Route(s) of Entry: Inhalation? Yes , Skin? No , Eyes? Yes , Ingestion? Yes
Potential Health Effects (Acute and Chronic)
This is a nutritional supplement for animal use. Excessive ingestion may be harmful to children and pregnant women. Do not inhale dust.

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Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No
Carcinogenicity/Other Information
No data available.
Recommended Exposure Limits
NA

LD 50 / LC 50
NA

Signs and Symptoms Of Exposure
None determined

Medical Conditions Generally Aggravated By Exposure
May aggravate existing respiratory and/or skin ailments.

SECTION 4. First Aid Measures
VITA FLEX ACCULYTES

Emergency and First Aid Procedures
IF SWALLOWED: Drink water and contact physician.
IF INHALED: Remove patient to fresh air, consult a physician for any breathing difficulty.
IF IN EYES: Flush with water for 15 minutes, see physician if irritation persists.
IN ON SKIN: Wash with soap and water.

Note to Physician
No data available.

SECTION 5. Fire Fighting Measures
VITA FLEX ACCULYTES

Flash Pt: N.A. **Method Used:** No data.
Explosive Limits: LEL: NE UEL: NE
Extinguishing Media
Water, CO2, foam, or dry chemical

Fire Fighting Instructions
Fire fighting procedures should be appropriate for surrounding fire.
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 ACCULYTES

Steps To Be Taken In Case Material Is Released Or Spilled
Carefully scoop up loose material & place it in appropriate containers so as to avoid dust generation. Stand upwind if possible. Do not flush material to public sewer systems or any waterways.

SECTION 7. Handling and Storage
VITA FLEX ACCULYTES

Precautions To Be Taken in Handling
Keep away from heat, direct sunlight and moisture. Store in a cool dry place. Avoid breathing dust

Precautions To Be Taken in Storing
Avoid high humidity and temperature above 90 degrees F as these conditions will degrade product quality.
Other Precautions
KEEP OUT OF REACH OF CHILDREN. Not for human consumption.

SECTION 8. Exposure Controls/Personal Protection
VITA FLEX ACCULYTES

Respiratory Equipment (Specify Type)
When dusty use pollen mask

Eye Protection
Goggles

Protective Gloves
None needed

Other Protective Clothing
None needed

Engineering Controls (Ventilation etc.)
Local Exhaust: sufficient
Special:
Mechanical (Gen):
Other:

Work/Hygienic/Maintenance Practices

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Wash hands before eating, smoking or using restroom.

SECTION 9. Physical and Chemical Properties
VITA FLEX ACCULYTES

Solubility Notes
Partly soluble in water

Physical States:	[ ] Gas , [ ] Liquid , [X] 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:	No data.
Percent Volatile:	N.A.
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
pH:	NA

Appearance and Odor
White granular with bland apple odor

SECTION 10. Stability and Reactivity
VITA FLEX ACCULYTES

Stability: Unstable [ ] Stable [X]
Conditions To Avoid - Instability
Excessive heat

Incompatibility - Materials To Avoid
None known

Hazardous Decomposition Or Byproducts
None known

Hazardous Polymerization: Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization
Will not occur

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SECTION 11. Toxicological Information
VITA FLEX ACCULYTES

No data available.

SECTION 12. Ecological Information
VITA FLEX ACCULYTES

No data available.

SECTION 13. Disposal Considerations
VITA FLEX ACCULYTES

Waste Disposal Method
Feed product, dispose of in regular trash outlets. Comply with local, state and federal regulations.

SECTION 14. Transport Information
VITA FLEX ACCULYTES

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 ACCULYTES

No data available.

SECTION 16. Other Information
VITA FLEX ACCULYTES

Supercedes 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.

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Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Vita Flex® Acculytes™**

Synonyms • 100519739; 100519770

Product Description • White-cream powder.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Supplement for horses

Restrictions on use • KEEP OUT OF THE REACH OF CHILDREN Avoid contact with skin and eyes. Keep away from heat, sparks and flames

Details of the supplier of the safety data sheet

Manufacturer • Vita Flex Nutrition

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

vitaflex.com

Telephone (General) • 1-800-848-2359

Emergency telephone number

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - Outside the US collect calls accepted

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Eye Mild Irritation 2B - H320
Combustible Dust

Label elements

OSHA HCS 2012

WARNING

Hazard statements • Causes eye irritation - H320
May form combustible dust concentrations in air.

Precautionary statements

Prevention • Read label before use. - P103

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Wash thoroughly after handling. - P264
Avoid breathing vapors, dust, mist or spray.

Response • If eye irritation persists: Get medical advice/attention. - P337+P313
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338

Storage/Disposal • Refer to Section 13 - Disposal Considerations

Other hazards

OSHA HCS 2012 • No data available

Section 3 - Composition/Information on Ingredients

Substances

• Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

Composition			
Chemical Name	**Identifiers**	**%**	**Classifications According to Regulation/Directive**
Sodium chloride	**CAS:**7647-14-5	60% TO 70%	**OSHA HCS 2012:** Not classified - criteria not met
Potassium chloride	**CAS:**7447-40-7	10% TO 20%	**OSHA HCS 2012:** Not classified - criteria not met
Potassium citrate monohydrate	**CAS:**6100-05-6	1% TO 10%	**OSHA HCS 2012:** STOT-RE - Mucous membranes
Food Grade Ingredients	NDA	< 10%	**OSHA HCS 2012:** Comb. dust
Magnesium chloride	**CAS:**7786-30-3	1% TO 5%	**OSHA HCS 2012:** Not classified - criteria not met.
Carbonic acid calcium salt (1:1)	**CAS:**471-34-1	1% TO 5%	**OSHA HCS 2012:** Eye Irritant - Cat. 2B
Other Inert Ingredients	NDA	N/A	**OSHA HCS 2012:** Not classified - criteria not met

Section 4: First-Aid Measures

Description of first aid measures

Inhalation • Get medical attention if symptoms occur.

Skin • Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye • If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion • Wash down with water.

Most important symptoms and effects, both acute and delayed

• Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician • If medical advice is needed, have product container or label at hand.

Section 5: Fire-Fighting Measures

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Extinguishing media

Suitable Extinguishing Media
- Water, CO2 or dry chemical.

Unsuitable Extinguishing Media
- None known.

Firefighting Procedures
- No data available.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products
- None known.

Advice for firefighters

- No data available

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions
- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures
- None specified.

Environmental precautions

- No data available

Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Sweep or scoop up spills, dispose of any unusable material in approved landfill.

Section 7 - Handling and Storage

Precautions for safe handling

Handling
- Avoid contact with skin or eyes.

Conditions for safe storage, including any incompatibilities

Storage
- Store in cool, dry area, inaccessible to children. Store at temperatures not exceeding 90 degrees F.

Incompatible Materials or Ignition Sources
- As with all feedstuff, do not store near hazardous or toxic substances. Strong acids.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering Measures/Controls
- No data available

Personal Protective Equipment

Pictograms
- 

Respiratory
- If airborne dust is present or in case of inadequate ventilation, use appropriate respiratory protection.

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Eye/Face	• Wear dust goggles.
Hands	• Wear appropriate gloves.
Skin/Body	• If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.
General Industrial Hygiene Considerations	• Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure Controls	• No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White-cream powder.
Color	White-cream	Odor	sweet
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Water Solubility	No data available
Viscosity	Not relevant		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No data available.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- Avoid storage with or near toxic substances.

Hazardous decomposition products

- None known.

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Section 11 - Toxicological Information

Information on toxicological effects

Components		
Sodium chloride (60% TO 70%)	7647-14-5	**Irritation:** Eye-Rabbit • 100 mg 24 Hour(s) • Moderate irritation
Potassium chloride (10% TO 20%)	7447-40-7	**Irritation:** Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Carbonic acid calcium salt (1:1) (1% TO 5%)	471-34-1	**Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation

GHS Properties	Classification
Acute toxicity	**OSHA HCS 2012** • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	**OSHA HCS 2012** • Classification criteria not met
Carcinogenicity	**OSHA HCS 2012** • Classification criteria not met
Germ Cell Mutagenicity	**OSHA HCS 2012** • Classification criteria not met
Skin corrosion/Irritation	**OSHA HCS 2012** • Classification criteria not met
Skin sensitization	**OSHA HCS 2012** • Classification criteria not met
STOT-RE	**OSHA HCS 2012** • Classification criteria not met
STOT-SE	**OSHA HCS 2012** • Classification criteria not met
Toxicity for Reproduction	**OSHA HCS 2012** • Classification criteria not met
Respiratory sensitization	**OSHA HCS 2012** • Classification criteria not met
Serious eye damage/Irritation	**OSHA HCS 2012** • Eye Mild Irritation 2B

Potential Health Effects

Inhalation

Acute (Immediate)
- Exposure to dust may cause mild respiratory irritation.

Chronic (Delayed)
- No data available

Skin

Acute (Immediate)
- Exposure to dust may cause mechanical irritation.

Chronic (Delayed)
- No data available.

Eye

Acute (Immediate)
- May cause eye irritation.

Chronic (Delayed)
- No data available

Ingestion

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available

Other

Chronic (Delayed)
- No data available.

Section 12 - Ecological Information

Toxicity

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- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user
- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- No data available

Other information

IMO/IMDG
- No data available

IATA/ICAO
- No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
- Acute

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Magnesium chloride	7786-30-3	Not Listed
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed
• Potassium citrate monohydrate	6100-05-6	Not Listed

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Section 16 - Other Information

Last Revision Date	• 16/June/2014
Preparation Date	• 16/June/2014
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