

SAFETY DATA SHEETS

This SDS packet was issued with item:

078656198

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

078719559

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).

078466704

MATERIAL SAFETY DATA SHEET

Generated 06/17/2009, Revision 06/17/2009, Supercedes Revision 05/30/2007, Date Created 03/28/2007

SECTION 1. Product and Company Identification EQUINYL COMBO

Product Code: VF-ECOMBO
Product Name: EQUINYL COMBO
Manufacturer Information
Company Name: Vita-Flex Products
1302-B Lew Ross Road
Council Bluffs, IA 51501
Emergency Contact: CHEMTREC (800)424-9300
Information: Marketing (800)848-2359
Web site address: www.vita-flex.com
Preparer Name: SFaith/Regulatory Specialist

Additional Identity Information

3005959 1.875 lbs.
3005960 3.75 lbs.
3005961 5.625 lbs.
3005962 11.25 lbs.
3005963 22.5 lbs.

SECTION 2. Composition/Information on Ingredients EQUINYL COMBO

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
FEED GRADE INGREDIENTS	NA	>30.0 %	No data.	No data.
Methyl sulfone	67-71-0	> 5.0 %	No data.	No data.
D-Glucosamine hydrochloride	66-84-2	> 5.0 %	No data.	No data.
Ester C (calcium ascorbate)	201542-81-6	> 5.0 %	No data.	No data.

SECTION 3. Hazards Identification EQUINYL COMBO

Emergency Overview

No significant health hazard expected.

Potential Health Effects (Acute and Chronic)

None

Signs and Symptoms Of Exposure

No symptoms expected if used under normal conditions.

Medical Conditions Generally Aggravated By Exposure

None expected.

SECTION 4. First Aid Measures EQUINYL COMBO

Emergency and First Aid Procedures

EYE CONTACT: Remove contacts if present. In case of contact with eyes, rinse immediately with plenty of water or saline solution. Get medical attention if irritation occurs.

SKIN CONTACT: Wash skin with plenty of soap and water. If irritation occurs, seek medical attention.

INHALATION: If inhaled, remove to fresh air. Get medical attention if symptoms appear. If exposed person is not breathing, give artificial respiration.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

SECTION 5. Fire Fighting Measures EQUINYL COMBO

Flash Pt: NE

Explosive Limits: LEL: Unknown UEL: Unknown

Autoignition Pt: NE

Fire Fighting Instructions

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

Flammable Properties and Hazards

None known.

Hazardous Combustion Products

Fine dust clouds may form explosive mixtures with air.

Extinguishing Media

Water fog, water spray, dry chemical, or CO₂.

Unsuitable Extinguishing Media

No data available.

SECTION 6. Accidental Release Measures EQUINYL COMBO

Steps To Be Taken In Case Material Is Released Or Spilled

SMALL SPILL: Vacuum or sweep up material and place in a disposal container.

LARGE SPILL: Reduce airborne dust and prevent scattering by moistening with water. **CAUTION:** Slippery when wet; can cause falls if walked on.

ENVIRONMENTAL PRECAUTIONS: WATER SPILL: Avoid runoff into storm sewers and ditches that lead to waterways.

LAND SPILL: Shovel or sweep up material and place in waste container.

SECTION 7. Handling and Storage EQUINYL COMBO

Precautions To Be Taken in Handling

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes. Avoid breathing (dust, vapor, gas, mist). Keep container closed when not in use. Use spark-proof tools and explosion-proof equipment. Dusts at sufficient concentrations can form explosive mixtures with air. Reduce airborne dust and prevent scattering by moistening with water.

Precautions To Be Taken in Storing

Keep away from heat, sparks and flames. Store in a dry area.

SECTION 8. Exposure Controls/Personal Protection EQUINYL COMBO

Respiratory Equipment (Specify Type)

A respiratory protection program that meets OSHA 1910.134 and ANSI Z8.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection

Wear safety glasses with side shields (or goggles) and a face shield.

Protective Gloves

PVC gloves may provide protection against permeation. Gloves of other chemically-resistant materials may provide adequate protection.

Other Protective Clothing

Wear a work uniform or Tyvek suit to provide protection from dust or particulate matter.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels.

Work/Hygienic/Maintenance Practices

Remove clothing and launder or dispose of in an approved waste disposal facility. Wash hands with soap and water after handling this product. Use good chemical hygiene practices when handling.

SECTION 9. Physical and Chemical Properties EQUINYL COMBO

Physical States:	[] Gas	[] Liquid	[X] Solid
Melting Point:	NR		
Boiling Point:	NR		
Autoignition Pt:	NE		
Flash Pt:	NE		
Explosive Limits:	LEL: Unknown	UEL: Unknown	
Specific Gravity (Water = 1):		NE	
Density:		NE	

Bulk density: No data.
Vapor Pressure (vs. Air or mm Hg): NR
Vapor Density (vs. Air = 1): NR
Evaporation Rate (vs Butyl Acetate=1): NR
Solubility in Water: Insoluble
Percent Volatile: NR
VOC / Volume: NR 0.0000
HAP / Volume: NR 0.0000
Saturated Vapor Concentration: NR
Viscosity: NR
Heat Value: No data.
Particle Size: No data.
Corrosion Rate: No data.
pH: NR

Appearance and Odor

Green powder with white rice-sized pieces with a sweet odor.

SECTION 10. Stability and Reactivity
EQUINYL COMBO

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Oxidizing materials.

Incompatibility - Materials To Avoid

Oxidizers

Hazardous Decomposition Or Byproducts

None known.

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

Product will not undergo polymerization.

SECTION 11. Toxicological Information
EQUINYL COMBO

None known.

Chronic Toxicological Effects

None known.

Carcinogenicity/Other Information

None known.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA

FEED GRADE INGREDIENTS	NA	n.a.	n.a.	n.a.	n.a.
Methyl sulfone	67-71-0	n.a.	n.a.	n.a.	n.a.
D-Glucosamine hydrochloride	66-84-2	n.a.	n.a.	n.a.	n.a.
Ester C (calcium ascorbate)	201542-81-6	n.a.	n.a.	n.a.	n.a.

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

**SECTION 12. Ecological Information
EQUINYL COMBO**

Not water soluble. Prevent liquid from entering bodies of water.

**SECTION 13. Disposal Considerations
EQUINYL COMBO**

Waste Disposal Method

Obtain the consent of pollution control authorities before discharging to waste water treatment plants. Treat using the best available techniques before discharge into drains or the aquatic environment. Use appropriate container to avoid environment contamination. Does not meet the definitions of hazardous waste as defined by EPA.

**SECTION 14. Transport Information
EQUINYL COMBO**

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Not regulated as hazardous by U.S. DOT.
DOT Hazard Label: None

**SECTION 15. Regulatory Information
EQUINYL COMBO**

No data available.

**SECTION 16. Other Information
EQUINYL COMBO**

Company Policy or Disclaimer

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.



Equinyl Combo Joint Formula, Equinyl Glucosamine with Hyaluronic Acid, Equinyl Joint Formula with Hyaluronic Acid

Safety Data Sheet

Date of issue: 03/28/2007

Revision date: 02/06/2020

Supersedes: 06/17/2009

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Equinyl Combo Joint Formula, Equinyl Glucosamine with Hyaluronic Acid, Equinyl Joint Formula with Hyaluronic Acid
Synonyms : 3005959, 3005960, 3005962, 3005969, 3006183, 3006184, 3006186

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.

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

Serious eye damage/eye irritation Category 2A Causes serious eye irritation
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
Causes serious eye irritation
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
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/attention.

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

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3.2. Mixtures

Name	Product identifier	%
Dried feed ingredients	(CAS-No.) N/A	45 – 55
Zinc proteinate	(CAS-No.) N/A	1.6
Manganese proteinate	(CAS-No.) N/A	1.1 – 1.25
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.
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 eye contact	: Causes eye irritation.
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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	: 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.

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.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill. 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Avoid dust formation. 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.

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

Incompatible materials : Heat, sparks, open flame.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ (respirable fraction) 10 mg/m ³ (inhalable) (as particulates not otherwise specified)
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable fraction) 15 mg/m ³ (total dust) (as particulates not otherwise specified)

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.

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:

Wear suitable protective clothing

Respiratory protection:

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 : Green powder with white rice-sized pieces

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Color	: Green White
Odor	: Sweet
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	: Not applicable
Solubility	: No data available
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. Extreme heat, high humidity or moisture. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

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	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified
Germ cells mutagen	Not classified

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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 : Inhalation may cause respiratory irritation.

Skin

Acute : May cause mild mechanical irritation.

Eye

Acute : Causes eye 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
IMDG	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
IATA	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable

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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	: 28 March 2007
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Supersedes	: 17 June 2009

SDS US (GHS HazCom 2012) - CGP

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