

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1. Product identifier

**Product Identity** Microvit D3 Promix 500

**Alternate Names** Microvit D3 Promix 500

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** See Technical Data Sheet.

**Application Method** See Technical Data Sheet.

### 1.3. Details of the supplier of the safety data sheet

**Supplier** Pestell Nutrition  
**Address** 141 Hamilton Rd  
 New Hamburg, Ontario  
 Canada, N3A 2H1

**Phone** 519-662-2877

**Email** qa@pestell.com

**Emergency telephone number (24 hr)** Canada: CANUTEC 1 613-996-6666  
 US: CHEMTREC 1 703-527-3887

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Acute Tox. 4;H332 Harmful if inhaled.

STOT RE 1;H372 Causes damage to organs through prolonged or repeated exposure. Specific Target Organs: (Not Available)

Combustible Dust May form combustible dust concentrations in air.

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

May form combustible dust concentrations in air.

#### **[Prevention]:**

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / light / equipment.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P314 Get Medical advice / attention if you feel unwell.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

**[Storage]:**

No GHS storage statements

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Inerts CAS Number: Proprietary	75 - 100	Combustible Dust	[1]
SECOCHOLESTA-5,7,10(19)-TRIEN-3-OL, (3.BETA.,5Z,7E) CAS Number: 0000067-97-0	1.0 - 10	Acute Tox. 2;H330 Acute Tox. 3;H311 Acute Tox. 3;H301 STOT RE 1;H372	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

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### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General**

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

<b>Eyes</b>	Rinse particulate matter from eye. Seek medical attention if irritation develops or persists or if visual changes occur.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

**4.2. Most important symptoms and effects, both acute and delayed**

<b>Overview</b>	Acute Eye: Irritant. Can cause irritation and redness upon prolonged contact. Acute Skin: Skin absorption not likely. May cause dryness and irritation upon prolonged contact. Acute Inhalation: Dusts may cause respiratory tract irritation. Acute Ingestion: Low acute oral toxicity. Chronic Effects: None known. Medical Conditions Possibly Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. See section 2 for further details.
<b>Inhalation</b>	Harmful if inhaled.

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**5. FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: Oxides of carbon  
Avoid breathing dust / fume / gas / mist / vapors / spray.

**5.3. Advice for fire-fighters**

Firefighters should wear NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.  
Product will burn under fire conditions. Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

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**6. ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

**6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.  
Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid breathing dusts. Avoid direct or prolonged contact with skin and eyes. THIS PRODUCT PRESENTS A DUST EXPLOSION HAZARD. It is recommended that all dust control equipment and material transport systems involved in the handling of this product contain explosion relief vents or explosion suppression systems or an oxygen deficient environment. In addition, all conductive elements of the system that contact this material should be electrically bonded and grounded. This powder should only be flowed through non-conductive ducts or pipes. Use only appropriate classed electrical equipment.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong bases, strong acids and strong oxidizing agents

Maximum Storage Temperatures:

Store in tightly-closed, original container. Store in an area that is cool, dry, dark and well-ventilated.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0000067-97-0	SECOCHOLESTA-5,7,10(19)-TRIEN-3-OL, (3.BETA.,5Z,7E	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m<sup>3</sup> (50 mppcf\*) TWA, ACGIH 10 mg/m<sup>3</sup>.

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-97-0	SECOCHOLESTA-5,7,10(19)-TRIEN-3-OL, (3.BETA.,5Z,7E	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

#### Respiratory

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with regulatory standards and/or industrial recommendations. Dust/mist filtering respirator is recommended.

#### Eyes

A minimum of safety glasses with side shields is recommended.

#### Skin

Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** The following general measures should be taken when working or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

See section 2 for further details. - [Prevention]:

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Yellow or Cream Powder
<b>Odor</b>	Slight
<b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	>93C (200F)
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Not Measured
<b>Specific Gravity</b>	Not Measured
<b>Solubility in Water</b>	Slight
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured

### 9.2. Other information

No other relevant information.

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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

**10.4. Conditions to avoid**

Extreme heat, open flame, dusting conditions.

**10.5. Incompatible materials**

Strong bases, strong acids and strong oxidizing agents

**10.6. Hazardous decomposition products**

Oxides of carbon

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
SECOCHOLESTA-5,7,10(19)-TRIEN-3-OL, (3.BETA.,5Z,7E - (67-97-0)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	4	Harmful if inhaled.
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	1	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
SECOCHOLESTA-5,7,10(19)-TRIEN-3-OL, (3.BETA.,5Z,7E - (67-97-0)	Not Available	Not Available	Not Available

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

Not Measured

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available.

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**13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Observe all federal, state and local regulations when disposing of this substance.

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**14. TRANSPORT INFORMATION**

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

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**15. REGULATORY INFORMATION**

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	D2A
<b>US EPA Tier II Hazards</b>	<p><b>Fire:</b> No</p> <p><b>Sudden Release of Pressure:</b> No</p> <p><b>Reactive:</b> No</p> <p><b>Immediate (Acute):</b> Yes</p> <p><b>Delayed (Chronic):</b> Yes</p>

**EPCRA 311/312 Chemicals and RQs:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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## 16. OTHER INFORMATION

The full text of the phrases appearing in section 3 is:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H330 Fatal if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: 1

Revision date: 14 May 2021