

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

A. Product name

Life Products 10-G Micro Concentrate DAIRY

B. Supplier/Manufacturer

The Vit-E-Men Company Inc.
306 E Omaha Ave
Norfolk, NE 68701

C. Telephone number

800-658-3120

D. Emergency number

800-424-9300

E. Product status

FDA regulated use only

F. Chemical name or synonym

FREEZE-DRIED BACTERIAL CULTURES

2. HAZARDS IDENTIFICATION

A. Emergency overview

Dust may be irritating to respiratory tract

B. Potential health effects

Eye contact:

Possibly irritating.

Skin contact:

May cause drying of the skin.

Inhalation:

Possibly irritating.

Ingestion:

No hazard expected in normal use.

General:

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens. Based on human experience, inhalation of and/or skin exposure to this product may cause allergic urticaria. May have the potential to cause other allergic reactions such as asthma, rhinitis, and dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Reg Number</u>	<u>OSHA Hazard</u>	<u>Percentage</u>
Soybean oil	8001-22-7	N	
Freeze-dried bacterial cultures	*****	N	
Beeswax	8012-89-3	N	
Precipitated silica	112926-00-8	Y	< 2

4. FIRST AID MEASURES**First aid measures for accidental:****Eye exposure:**

Rinse particulate matter from eye. Seek medical attention if irritation develops or persists or if visual changes occur.

Skin exposure:

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

Inhalation:

If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion:

No harmful effects expected. If appreciable quantities are swallowed, call a physician or poison control center. Do not leave victim unattended.

Medical conditions possible aggravated by exposure:

No specific information found.

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.

5. FIRE FIGHTING MEASURES

Fire hazard data:

Flash point:

350* F Flammability Class: Will burn.

Method used:

Closed cup.

Flammability limits (vol/vol %):

Lower:
No data

Upper:
No data

Extinguishing Media:

Recommended: dry chemical, foam, water, water spray, carbon dioxide.

Special fire fighting procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Unusual fire and explosion hazards:

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.

Hazardous decomposition materials (under fire conditions):

Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Evacuation procedures and safety:

Ventilate closed spaces before entering. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards. Wear appropriate protective gear for the situation. See personal protection information in Section 8.

Containment of spill:

Follow procedure described below under "Cleanup and disposal of spill".

Cleanup and disposal of spill:

Scrape up and place in appropriate closed container (See section 7: Handling and storage). Avoid creation of dusty conditions.

Environmental and regulatory reporting:

Do not flush to drain. If spilled, the material should be placed into a suitable container for disposal.

7. HANDLING AND STORAGE

Minimum/maximum storage temperatures:

< 4 C (39 F)

Handling:

Keep containers closed when not being used. Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts. Do not ingest.

Dry powders can build static electricity charges when subjected to the friction of conveying, mixing or sliding. Provide adequate precautions, such as electrical grounding, or inert atmospheres when material is used in the presence of flammable materials to prevent ignition.

Storage:

Store in closed containers. Store in an area that is clean, dry, and refrigerated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety

procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with section 13 (Disposal Considerations).

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure limits:

	<u>Value</u>	<u>Limit</u>	<u>Reference</u>
Synthetic Amorphous Silica	20 mppcf	TWA	OSHA
Precipitated	10 mg/m ³	TWA	ACGIH

Engineering controls:

Use adequate ventilation

Respiratory protection:

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye/Face protection:

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin protection:

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work practice controls:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- a. Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
 - b. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties here represent typical properties of this product. Contact the business area using the product information phone number in section one for its exact specifications.

Physical appearance:

Light brown rice like substance

Odor:

Faint odor.

pH:

Not applicable.

Specific gravity:

Not available.

Water solubility:

Mostly soluble.

Melting point range:

Not available.

Boiling point range:

Not available.

Vapor pressure:

Not available.

Vapor density:

Not available.

10. STABILITY AND REACTIVITY

Chemical stability:

This material is stable under normal handling and storage conditions described in section seven.

Conditions to be avoided:

Elevated temperatures.

Materials and chemicals to be avoided:

None known.

The following hazardous decomposition products might be expected:

Decomposition type: thermal:

None known.

Hazardous polymerization will not occur.

Avoid the following to inhibit hazardous polymerization:

Not applicable.

11. TOXICOLOGICAL INFORMATION

Acute eye irritation:

No test data found for product.

Acute skin irritation:

No test data found for product.

Acute dermal toxicity:

No test data found for product.

Acute respiratory irritation:

No test data found for product.

Acute inhalation toxicity:

No test data found for product.

Acute oral toxicity:

No test data found for product.

Chronic toxicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be “probable” or “suspected” human carcinogens.

No additional test data found for product.

12. ECOLOGICAL INFORMATION

Ecotoxicological information:

No data found for product.

Chemical fate information:

No data found for product.

13. DISPOSAL CONSIDERATIONS

Waste disposal method:

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container handling and disposal:

Do not reuse containers. Rinse containers before disposal.

EPA hazardous Waste – No.

14. TRANSPORTATION INFORMATION

Transportation status: Important! Statements below provide additional data on listed DOT classification.

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation shipping name:
Not regulated.

15. REGULATORY INFORMATION

Inventory status:

<u>Inventory</u>	<u>Status</u>
United States (TSCA)	E
Canada (DSL)	E
Europe (EINECS / ELINCS)	E
Australia (AICS)	E
Japan (MITI)	E
South Korea (KECL)	E

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

Federal regulations

Inventory issues:

This product is excluded from TSCA because it is solely for FDA regulated use.

SARA title III hazard classes:

Fire hazard	No
Reactive hazard	No
Release of pressure	No
Acute health hazard	No
Chronic health hazard	No

Other federal regulations

FDA status:

This product meets the compositional requirements of:

21 CFR 182.1 Substances that are generally recognized as safe

21 CFR 168.122 Lactose

21 CFR 173.340 Silicon dioxide

State regulations:

This product does not contain any components that are regulated under California proposition 65.

16. OTHER INFORMATION

National fire protection association hazard ratings - - NFPA(R):

- 1 Health hazard rating - - slight
- 1 Flammability rating - - slight
- 0 Instability rating - - minimal

National paint and coating hazardous materials identification system - - HMIS(R):

- 1 Health hazard rating - - slight
- 1 Flammability rating - - slight
- 0 Reactivity rating - - minimal

Revision summary:

This is the first issue of this MSDS.

Key legend information:

ACGIH – American Conference of Governmental Industrial Hygienists
OSHA – Occupational Safety and Health Administration
TLV – Threshold Limit Value
PEL – Permissible Exposure Limit
TWA – Time Weighted Average
STEL – Short Term Exposure Limit
NTP – National Toxicology Program
IARC – International Agency for Research on Cancer
ND – Not Determined

Disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made.