



SAFETY DATA SHEET

Preparation Date: 11/30/2015 Revision date 10/31/2019 Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: VI119

Product Name: VITAMIN A ACETATE, SYNTHETIC, CRYSTALLINE

Other means of identification

Synonyms: Retinol Acetate;

all-trans-Retinyl Acetate;

Retinyl Acetate

CAS #: 127-47-9
RTECS # VH6825000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use:Uses advised against
Vitamin. Food Additive.
No information available

Supplier: Spectrum Chemical Mfg. Corp

14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person:Tom Tyner (USA - West Coast)Contact Person:Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Reproductive toxicity Category 1B

Label elements

Danger

Hazard statements

May damage fertility or the unborn child

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Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Gelatin, powder	9000-70-8	30-50
Starch, powder	9005-25-8	20-30
Vitamin A Acetate	127-47-9	10-20
Sucrose	57-50-1	10-20
Butylated Hydroxytoluene	128-37-0	1-5

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

have a poison emergency and need to talk to a poison specialist. Call

1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and

shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms

persist, call a physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

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Symptoms May cause eye/skin irritation

May cause gastrointestinal disturbances Ingestion may cause vomiting and nausea

May cause headache

Irritability Fatigue tiredness Drowsiness

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Water spray mist or

foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous combustion products Carbon monioxide; Carbon dioxide

Hazardous combustion products No information available.

Specific hazards May be combustible at high temperatures.

Special Protective Actions for Firefighters

Specific Methods: No information available

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin,

eyes and clothing. Avoid dust formation. Avoid breathing dust. Remove all sources of

ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water

or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent

spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated

surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials.

Safe Handling Advice:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid dust formation. Do not ingest. Do not breathe vapors/dust. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Protect from light. Sensitive to light. Store in light-resistant containers. Store away from incompatible materials. Air sensitive. Store under inert gas. Store under nitrogen.

Incompatible Materials:

Strong oxidizing agents Strong acids Strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Gelatin, powder	9000-70-8	None	None	None	None
Starch, powder	9005-25-8	15 mg/m³ TWA 5 mg/m³ TWA	10 mg/m³ TWA 5 mg/m³ TWA	10 mg/m³ TWA	None
Vitamin A Acetate	127-47-9	None	None	None	None
Sucrose	57-50-1	15 mg/m³ TWA 5 mg/m³ TWA	10 mg/m³ TWA 5 mg/m³ TWA	10 mg/m³ TWA	None
Butylated	128-37-0	None	10 mg/m ³ TWA	2 mg/m³ TWA	None

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SYNTHETIC, CRYSTALLINE

Hydroxytoluene		inhalable fraction and	
		vapor	

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Gelatin, powder	9000-70-8	None	None	None	None
Starch, powder	9005-25-8	10 mg/m³ TWA	10 mg/m³ TWA total dust 3 mg/m³ TWA respirable fraction	None	10 mg/m³ TWAEV total dust
Vitamin A Acetate	127-47-9	None	None	None	None
Sucrose	57-50-1	10 mg/m³ TWA	10 mg/m³ TWA total dust 3 mg/m³ TWA respirable fraction	None	10 mg/m³ TWAEV
Butylated Hydroxytoluene	128-37-0	10 mg/m³ TWA	2 mg/m³ TWA aerosol, inhalable, and vapour	None	10 mg/m³ STEV

Australia and Mexico

Component	CAS No	Australia	Mexico
Gelatin, powder	9000-70-8	None	None
Starch, powder	9005-25-8	10 mg/m ³ TWA	None
Vitamin A Acetate	127-47-9	None	None
Sucrose	57-50-1	10 mg/m³ TWA	10 mg/m³ TWA
			20 mg/m ³ STEL
Butylated Hydroxytoluene	128-37-0	10 mg/m ³ TWA	10 mg/m ³ TWA
			20 mg/m ³ STEL

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection: Long sleeved clothing

Chemical resistant apron

Gloves

Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to

the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified

respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and

immediately after handling the product When using, do not eat, drink or smoke.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:Appearance:Color:SolidFine Crystals. Fine granules.Yellow.

Odor: Taste Formula

No information available. No information available. No information available

Molecular/Formula weight (g/mole): Flammability (solid, gas) Flashpoint (°C/°F):

No information available no data available No information available

Flash Point Tested according to: Autoignition Temperature (°C/°F): Lower Explosion Limit (%): Not available

No information available

No information available

Upper Explosion Limit (%): Melting point/range(°C/°F): Decomposition temperature(°C/°F):

No information available No information available No information available

Boiling point/range(°C/°F): Bulk density: Density (g/cm3):

Specific gravity: pH Vapor pressure @ 20°C (kPa):

No information available
No information available
No information available

Evaporation rate: Vapor density: VOC content (g/L):
No information available No information available

Odor threshold (ppm): Partition coefficient Viscosity:

No information available (n-octanol/water): No information available

No information available

Miscibility: Solubility:

No information available Insoluble in water

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents Reacts with strong bases Reactive with strong acids

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

<u>Conditions to avoid:</u> Heat. Exposure to light. Avoid dust formation. Exposure to air. Incompatible

materials.

Incompatible Materials: Strong oxidizing agents

Strong acids Strong bases

Hazardous decomposition

products:

Carbon monoxide. Carbon dioxide.

Other Information

Corrosivity: No information available

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Ingestion. Inhalation.

Acute Toxicity

Component Information

Gelatin, powder CAS No 9000-70-8

LD50/oral/rat = No information available

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

Starch, powder

CAS No 9005-25-8

LD50/oral/rat = No information available

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

Vitamin A Acetate

CAS No 127-47-9

LD50/oral/rat = 4980 mg/kg Oral LD50 Rat

LD50/oral/mouse = 4100 mg/kg Oral LD50 Mouse

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

Sucrose

CAS No 57-50-1 LD50/oral/rat = 29700 mg/kg Oral LD50 Rat

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

Butylated Hydroxytoluene

CAS No 128-37-0

LD50/oral/rat = 890 mg/kg

LD50/oral/mouse = 650-1040 mg/kg

LD50/dermal/rabbit = No information available

LD50/dermal/rat = > 2000 mg/kg

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LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = 10700mg/kg oral LD50 Guinea pig
2100 mg/kg oral LD50 Rabbit

Product Information

LD50/oral/rat =

Value - Acute Toxicity = > 5000 mg/kg

LD50/oral/mouse =

Value - Acute Tox = No information available

LD50/dermal/rabbit

Value - Acute Toxicity = No information available

LD50/dermal/rat

VALUE - Acute Tox = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause skin irritation. May cause generalized peeling (desquamation) of the

skin.

Eye Contact: May cause eye irritation.

Inhalation May cause irritation of respiratory tract.

Ingestion May cause gastrointestinal disturbances. May cause headache, nausea, vomiting.

May cause abdominal pain. May cause loss of appetite. May cause fatigue. It may affect behavior/central nervous system (irritability). May affect behavior/central nervous system (tiredness). May affect behavior/central nervous system (headache, drowsiness). May cause yellow pigmentation of the skin.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Prolonged or repeated ingestion of large amounts may have similar effects to that

of acute ingestion. It may also affect the liver and blood. Chronic overdosages may also cause chapped (cracked) lips, dry, rough and itching skin, erythematous (exfoliative) dermatitis, peeling of the skin, disturbed hair growth, loss of hair, yellowed skin (jaundice) bone and joint pain, bone decalcification, blurred or

double vision.

Sensitization: No information available.

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Mutagenic Effects: For Vitamin A Acetate:

Cytogenic analysis - hamster ovary Cytogenetic Analysis: human embryo Sister Chromatid Exchange: human embryo

Carcinogenic effects: No information available.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Gelatin, powder	9000-70-8	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Starch, powder	9005-25-8	Not listed	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed
Vitamin A Acetate	127-47-9	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Sucrose	57-50-1	Not listed	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed
Butylated Hydroxytoluene	128-37-0	Group 3 - Not classifiable - Supplement 7 [1987] Monograph 40 [1986]	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity May damage fertility or the unborn child

Reproductive Effects:No information available **Developmental Effects:**For Vitamin A Acetate:

May cause adverse developmental effects

May cause harm to the unborn child

Teratogenic Effects: For Vitamin A Acetate:

May cause birth defects (teratogenic effects)

Specific Target Organ Toxicity

STOT - single exposure
STOT - repeated exposure
Target Organs:

No information available.
No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Vitamin A Acetate - 127-47-9

Fish LC50: =1.37mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 460mg/L (96h,

Leuciscus idus)

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Butylated Hydroxytoluene - 128-37-0

Algae/aquatic plants 6 mg/L EC50 Pseudokirchneriella subcapitata 72 h 0.42 mg/L EC50

Desmodesmus subspicatus 72 h

Fish 5 mg/L LC50 Oryzias latipes 48 h 1

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility in soilNo information availableOther adverse effectsNo information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Gelatin, powder	9000-70-8	None	None	None	None
Starch, powder	9005-25-8	None	None	None	None
Vitamin A Acetate	127-47-9	None	None	None	None
Sucrose	57-50-1	None	None	None	None
Butylated Hydroxytoluene	128-37-0	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class
Subsidiary Class
Packing group:
No information available

Number

Marine PollutantNo data availableDOT RQ (lbs):No information availableSpecial ProvisionsNo Information availableSymbol(s):No information availableDescription:No information available

TDG (Canada)

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class
Subsidiary Risk:
Packing Group:
Marine Pollutant
Description:
No information available

ADR

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UN Number Not regulated

Proper Shipping Name:
Transport hazard class(es)
Packing group
Subsidiary Risk:

No information available
No information available
No information available

IMDG

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class:
Subsidiary Risk:
Packing Group:
Marine Pollutant

No information available
No information available
No information available
No information available

RID

UN Number Not Regulated

Proper Shipping Name:
Transport hazard class(es)
Subsidiary Risk:
Packing group

No information available
No information available
No information available
No information available

ICAO (air)

UN-No: Not Regulated

Proper Shipping Name:
Hazard Class
Subsidiary Risk:
Packing Group:

No information available
No information available
No information available
No information available

IATA

UN Number Not Regulated

Proper Shipping Name:
Transport hazard class(es)
Subsidiary Risk:
Packing group
Precautionary Statements No information available
No information available
No information available
No information available

Response

Special Provisions No information available

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Gelatin, powder	9000-70-8	PresentACTIV E	Present KE-17574	Present	Present (8)-313	Present	Present	Present 232-554-6
Starch, powder	9005-25-8	PresentACTIV E	Present KE-32128	Present	Present (8)-98	Present	Present	Present 232-679-6
Vitamin A Acetate	127-47-9	PresentACTIV E	Present KE-35393	Present	Present (8)-509 Present -	Present	Present	Present 204-844-2
Sucrose	57-50-1	PresentACTIV E	Present KE-17258	Present	Not present	Present	Present	Present 200-334-9
Butylated Hydroxytoluene	128-37-0	PresentACTIV E	Present KE-03079	Present	Present (9)-1805,(5)-6 372,(3)-540	Present	Present	Present 204-881-4

U.S. Regulations

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Gelatin, powder

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.70

FDA - 21 CFR - Total Food Additives 133.178, 133.179, 172.230, 172.255, 172.280, 182.70

- List Sourced from EAFUS

Starch, powder

Massachusetts RTK: Present Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.70

21 CFR 182.90

FDA - 21 CFR - Total Food Additives 137.105, 155.130, 169.150, 169.179, 175.105, 178.1010, 182.70, 182.90 (unmodified; also **- List Sourced from EAFUS** listed as Cornstarch (includes waxy) - 182.70, 182.90, Tapioca starch - 182.70, Wheat

starch - 182.70)

Vitamin A Acetate

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1930

FDA - 21 CFR - Total Food Additives 184.1930

- List Sourced from EAFUS

Sucrose

Massachusetts RTK: Present Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1854

FDA - Direct Food Additives 21 CFR 172.869 (free)

FDA - 21 CFR - Total Food Additives 100.130, 101.4, 101.80, 101.9, 131.112, 131.170, 131.200, 131.203, 131.206, 133.124, **- List Sourced from EAFUS** 133.178, 133.179, 145.134, 145.180, 145.3, 146.140, 146.141, 146.145, 146.146, 146.3, 150.160, 155.170, 155.200, 169.175, 169.179, 172.810, 172.816, 172.859, 172.861,

172.880, 172.884, 173.145, 184.1854, 73.85 (includes liquid)

Butylated Hydroxytoluene

Product code: VI119

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0814

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

California Directors List of Hazardous Substances: Present

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.3173

FDA - Direct Food Additives 21 CFR 172.115, 21 CFR 172.615, 21 CFR 173.340

FDA - 21 CFR - Total Food Additives 137.350, 166.110, 172.110, 172.115, 172.185, 172.615, 173.340, 175.105, 175.125, **- List Sourced from EAFUS** 175.390, 175.390, 176.170, 176.210, 177.1010, 177.1210, 177.1350, 177.2260,

177.2600, 178.2010, 178.3570, 179.45, 181.24, 182.3173

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

MARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Component	CAS No	Carcinogen	Developmental Toxicity	Reproductive	Female Reproductive Toxicity:
Gelatin, powder	9000-70-8	Not Listed	Not Listed	Not Listed	Not Listed
Starch, powder	9005-25-8	Not Listed	Not Listed	Not Listed	Not Listed
Vitamin A Acetate	127-47-9		Developmental (listed as Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents.(NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.)	Not Listed	Not Listed

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Sucrose	57-50-1	Not Listed	Not Listed	Not Listed	Not Listed
Butylated Hydroxytoluene	128-37-0	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Gelatin, powder	9000-70-8	None	None	None	None	None
Starch, powder	9005-25-8	None	None	None	None	None
Vitamin A Acetate	127-47-9	None	None	None	None	None
Sucrose	57-50-1	None	None	None	None	None
Butylated Hydroxytoluene	128-37-0	None	None	None	None	None

U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Gelatin, powder	9000-70-8	Not Applicable	Not Applicable
Starch, powder	9005-25-8	Not Applicable	Not Applicable
Vitamin A Acetate	127-47-9	Not Applicable	Not Applicable
Sucrose	57-50-1	Not Applicable	Not Applicable
Butylated Hydroxytoluene	128-37-0	Not Applicable	Not Applicable

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

The WHMIS 2015 classification of this product has not been validated or reviewed yet.

Component Starch, powder

9005-25-8 (20-30)

Sucrose 57-50-1 (10-20)

Butylated Hydroxytoluene 128-37-0 (1-5)

WHMIS 2015 Hazard Classification

Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and

explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust'

hazard class)

Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and

explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust'

hazard class)

Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and

explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust'

hazard class)

Canada Hazardous Products Regulation This product has not been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Gelatin, powder	9000-70-8	Present	Not Listed
Starch, powder	9005-25-8	Present	Not Listed

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Vitamin A Acetate	127-47-9	Present	Not Listed
Sucrose	57-50-1	Present	Not Listed
Butylated Hydroxytoluene	128-37-0	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Gelatin, powder	9000-70-8	Not listed
Starch, powder	9005-25-8	Not listed
Vitamin A Acetate	127-47-9	Not listed
Sucrose	57-50-1	Not listed
Butylated Hydroxytoluene	128-37-0	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject
		to Mandatory Reporting
Gelatin, powder	9000-70-8	Not listed
Starch, powder	9005-25-8	Not listed
Vitamin A Acetate	127-47-9	Not listed
Sucrose	57-50-1	Not listed
Butylated Hydroxytoluene	128-37-0	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Gelatin, powder	9000-70-8	
Starch, powder	9005-25-8	
Vitamin A Acetate	127-47-9	
Sucrose	57-50-1	
Butylated Hydroxytoluene	128-37-0	No information

EU - CLP (1272/2008)

R-phrase(s)

not determined (not applicable)

S -phrase(s)

none

Component	CAS No	Classification	Concentration	Safety Phrases
			Limits:	_
Gelatin, powder	9000-70-8		No information	
Starch, powder	9005-25-8		No information	
Vitamin A Acetate	127-47-9		No information	
Sucrose	57-50-1		No information	
Butylated Hydroxytoluene	128-37-0		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

None

16. OTHER INFORMATION

Preparation Date:11/30/2015Revision date10/31/2019Prepared by:Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This

Safety Data Sheet (SDS) applies only to the material as packaged. If this product

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is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet

Product code: VI119