

VITAL GARDEN SUPPLY
204 GOLD FLAT CT
NEVADA CITY, CA 95959
ISSUE Date: DECEMBER 29, 2017

SAFETY DATA SHEET

REVISION DATE DEC 29, 2017

1. IDENTIFICATION

PRODUCT NAME: VITAL FLOWER POWDER (4-5-13)
PRODUCT NUMBER(S): ORGANIC FERTILIZER
FORMULA NO: VITAL FLOWER POWDER (4-5-13)

RECOMMENDATIONED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:
DESCRIPTION: WATER SOLUBLE INSECTICIDE

ORGANIC AG PRODUCTS 2367 BRANT STREET ARROYO GRANDE, CA 93420	24-HOUR EMERGENCY TELEPHONE NUMBERS CHEMTREC (USA) 1-800-424-9300 HEMTREC (INTERNATIONAL) 1-703-527-3887 NON EMERGENCY 1-877-964-2887
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2. HAZARD(S) IDENTIFICATION

OSHA REGULATOY STATUS: NONE

OXIDIZING SOLIDS NONE

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

INGREDIENTS	case=no	Weight/%	Trade Secret
COD FISHPROTEIN N		32,5%	NONE
MICRONIZED K20 NATURAL LEOPOLOLITE		27.5%	NONE
MICRONIZED P205		40%	NONE

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with cold clean water for at least 15 minutes, contact physician immediately

Skin Contact: Thoroughly wash the affected area with soap and warm water. Flush with large quantities of water. If irritation persists call a physician.

Inhalation: REMOVE INDIVIDUAL TO FRESH AIR, CONTACT PHYSICIAN IF NECESSARY.

Ingestion: Administer water or milk to dilute Contact a physician or local poison control center.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: CO2, FOAM, CHEMICAL DUST

Unsuitable extinguishing media: Water

Specific hazards: Unknown

Explosive data: unknown

Sensitivity to Mechanical Impact: spill

Sensitivity to Static Discharge: no data available

Special Protective Equipment for
Fire fighters in case of fire wear self contained breathing apparatus. Plus protective clothing to prevent contact with skin and eyes

6. Accidental Release Measures

PERSONAL Precautions, protective Equipment and Emergency Procedures

Personal precautions: Wear suitable protective clothing.

Environmental Precautions: prevent product from entering drains.

Methods and Material for Containment and Cleanup:

Methods for Containment: vacuum up material and place in a disposal container

Method for Cleanup

Take up mechanically and Collect in suitable container for disposal,

7.	HANDLING AND STORAGE
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Precautions for Safe Handling

Avoid container breakage

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep Containers tightly closed in a dry and well ventilated place.

8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Control Parameters:

Exposure Guidelines:

Ingredients	CAS-NO	ACGH:	OSHA:	IDLH:
CODFISH			NONE	NONE
NATURAL LEOPOLLITE K2O			NONE	NONE
MICRONIZED P205			NONE	NONE

Appropriate Engineering Controls:

Engineering Measures to Reduce

Use adequate ventilation to keep the air born concentrations of this material below the recommended exposure standard

Exposure:

ORGANIC FERTILIZER

Individual Protection measures, Such as Personal Protective Equipment:

Eye /Face Protection:

Eye/face protection is not required, but is recommended in manufacturing SITUATIONS WHERE CONTACT MAY OCCUR. Safety glasses

With sides or goggles.

Skin and Body Protection: Wear suitable protective clothing if contact is anticipated during manufacturing. If skin irritation occurs, use rubber gloves, durable cloth or impervious rubber gloves if contact with the product is possible.

Respiratory Protection: When airborne exposure guidelines and/or comfort levels may be exceeded use an approved air -purifying respirator.

General hygiene considerations: Wash hands before breaks and immediately after handling the product.

9.	PHYSICAL AND CHEMICAL PROPERITIES
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Physical State	liquid	Appearance: liquid
Color	Tan/clear	Odor: slight
Odor	slight	Threshold:
Specific Gravity	0.914-0.929	
		Remarks: + method

Property	Values
pH	6.5
Melting Point/freezing point	32 degrees/25 degrees
Boiling Point	200 degrees
Flash Point	Non=combustible
Evaporation Rate	180 degrees
Flammability (solid, gas)	Non- Flammable
Flammability Limits in air:	
Upper Flammability Limit:	Non -Flammable
EXICUTE/RAPID-O PLUS ORGANIC INSECTICIDE	

Lower Flammability Limit:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Specific Gravity:	0.914- 0.929
Solubility	Highly soluble (99%in water)

Solubility in other Solvents:	No information available
Partition Coefficient:	No information available
Autoignition Temperature	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	No information available
Dynamic Viscosity:	No information available
Explosive Properties:	No information available
Oxidizing Properties:	No information available

Other Information

Softening Point:	No information available
Molecular Weight:	No information available
VOC Content (%):	No information available
Density:	No information available
Bulk Density:	No information available

10.	STABILITY AND REACTIVITY
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Reactivity:	Stable under normal conditions
Chemical Stable:	yes
Conditions to Avoid	Extreme heat
Materials to avoid	Strong oxidizing agents
Hazardous Decomposition Products:	Contact with acids
Possibility of Hazardous Reactions:	Poses little or no immediate hazard.

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11.	TOXICOLOGICAL INFORMATION
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Information on the Likely routes of Exposure (inhalation, Ingestion, skin, and eye contact):
VITAL FLOWER POWDER (4-5-13) Safety Data Sheet
Version December 2017

Eye effects:	May cause eye irritation.
Skin effects:	May cause skin irritation.
Ingestion:	Health injuries are not known or expected under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea,
Inhalation:	Health injuries are not known or expected under normal use. May cause irritation of respiratory track.

Component information

Ingredients	LD50 oral Inhalation	LD50 Dermal	LD50
COD FISH 32,5%			No information available
NATURAL LEOPOLOLITE 27.5%			NO INFORMATION AVAILABLE
MICRONIZED P205			NI INFORMATION AVAILABLE

12.	ECOLOGICAL INFORMATION
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Ecotoxicity:

CODFISH 32.5 NITROGEN
 NATURALLEOPOLOLITE 27/5% K2O
 MICRONITROZED P205 4

13.	DISPOSAL CONSIDERATIONS
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Waste Treatment Methods:

Disposal of Wastes: Disposal should be in accordance with accordance with applicable regions, national and local laws and regulations.

Contaminated Packaging: Do not reuse containers.

14.	TRANSPORT INFORMATION
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THE DESCRIPTION SHOWN MAY NOT APPLY TO ALL situations
Consult 49CFR, or appropriate dangerous goods regulations for additional
description requirements (e.g. technical names) and mode-specific or
quality-specific shipping requirements.

DOT (LAND)	UN1477, 25B ORGANICS
IATA (AIR)	UN1477 25B ORGANICS
IMC/MDG (Vessel)	UN1477 25B ORGANICS

15.	REGULATORY INFORMATION
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Federal Regulations:

SARA 313

Section 313 of TITAL III of the superfund Amendments and reauthorization Act of 1986
(SARA). The product does not contain any chemicals which are subject to
EXICUTE/RAPID-O PLUS
ORGANIC INSECTICIDE

The reporting requirements of the Act and Title 40 or the Code of Federal Regulations,
Part 372

SARA 311/312 Hazard Categories:

Acute health hazards	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden release of pressure hazard	no
Reactive Hazard	no

CWA (Clean Water Act)

This product does not contain any substances as pollutants pursuant to the Clean Water Act 940CFR122.21 AND 40CFR122.42)

CERCLA:

This material is supplied does not contain any substances regulated as hazardous substances under Comprehensive Environmental response Compensation and Liability Act (CERCLA)(40CFR302) or the Superfund Amendments and Reauthorization Act (SARA)(40CFR355). There may be special reporting requirements at the local, regional, or state level pertaining to release of this material.

Ingredients	CERCLA/SARA313	CERCLA/SARA RQ	Report Quantity (RQ
CLOVE OIL			
8000-34-	not listed	not listed	not listed
Sesame oil			
68917=23-3	not listed		
ROSEMARY OIL			
8000-25-7	not listed		
THTME OIL			
8000-45-3	not listed		
Clear hydro-soybean oil			
8016-70-4			
RO WATER			

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ORGANIC INSECTICIDE**

CALIFORNIS STATE REGULATIONS (RTK) NOT APPLICABLE

CALIFORNIA PROPOSITION 65:

U.S. STATE RIGHT TO KNOW REGULATIONS: 25b oils

U.S. EPA LABLE Information

25b oils

EPA PESTICIDE REGULATION NUMBER:

EXCEMPT 25B OILS

16.	OTHER INFORMATION
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NFPA HEALTH 1 FLAMMABILITY 0 Reactivity 1

HMIS HEALTH 1 FLAMMABILITY 0 Reactivity 1

Revision Date: 12-29-17
Revision Notes:
Reason for revision None