VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet
Ferti-lome® Bougainvillea & Flowering Vine Food

SECTION 1: Identification

Product identifier

Product name	Ferti-lome® Bougainvillea & Flowering Vine Food
Product number	10505, 13505
Substance name	

Other means of identification
N-P-K = 17-7-10

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham, TX 75418 USA
Telephone	855-270-4776

Emergency phone number(s)

In the event or a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS label elements, including precautionary statements

Hazard statement(s)

H401	Toxic to aquatic life
H315+H320	Causes skin and eye irritation

Precautionary statement(s)

P102	Keep out of reach of children.

SECTION 3: Composition/information on ingredients

Substances

Substance name:

Hazardous components

Component	Concentration
Monoammonium phosphate (CAS no.: 7722-76-1)	Not specified
VPG Potash (Index no.: 800170)	Not specified
UREA (CAS no.: 57-13-6; Index no.: 800180)	Not specified
VPG MicroMix (Index no.: 800620)	Not specified
Ammonium Sulfate (CAS no.: 7783-20-2)	Not specified
VPG Iron 50% (Index no.: 800299)	Not specified
Manganese (II) Sulfate (CAS no.: 7785-87-7; EC no.: 232-089-9; Index no.: 025-003-00-4)	Not specified
Zinc sulfate monohydrate (CAS no.: 7733-02-0; EC no.: 231-793-3; Index no.: 030-006-00-9)	Not specified
Potassium Magnesium Sulfate (CAS no.: 14977-37-8)	Not specified

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice
Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.

If inhaled
Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.

In case of skin contact
Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

In case of eye contact
Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

If swallowed
Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

Personal protective equipment for first-aid responders
Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water spray or fog.

Specific hazards arising from the chemical
May produce gases such as hydrogen chloride, hydrogen cyanide, and oxides of carbon and nitrogen.

Special protective actions for fire-fighters
Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental precautions
Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods and materials for containment and cleaning up
Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal. Wash entire spill area with a detergent slurry, absorb and sweep into container for disposal. Decontaminate tools and equipment following cleanup.

SECTION 7: Handling and storage

Precautions for safe handling
Avoid contact with skin, eyes or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticides, fertilizers, food and feed. Store in original container and out of reach of children, preferable in a locked storage area. Do not contaminate water, food or feed by storage or disposal.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls
Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Safety glasses or goggles (ANSI Z87.1 1979)

Skin protection
PVC or Neoprene gloves

Body protection
Water proof apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

Respiratory protection
NIOSH/MSHA approved for protection

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Multi-colored to solid colored granular mixture
Odor	Slight
Odor threshold	

pH	6.26
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	48 pounds/cubic foot
Solubility(ies)	Partially soluble
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

Chemical stability
This material is stable under normal handling and storage conditions.

Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to avoid
Excessive heat. Do not store near heat or flame.

Incompatible materials
Strong oxidizing agents: Bases and acids.

Hazardous decomposition products
Under fire conditions may produce gases such as hydrogen chloride, hydrogen cyanide, and oxides of carbon and nitrogen.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Data from laboratory studies conducted on a similar, but not identical, formulation:
Oral: Rat LD50 : >5000 mg/kg (female)
Dermal: Rat LD50 : >5000 mg/kg
Inhalation: Rat 4-hr LC50 : >2.11 mg/l
Eye Irritation: Rabbit: Moderately irritating
Skin Irritation: Rabbit: Minimally irritating
Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.
Sub chronic (Target Organ) Effects: Repeated overexposure to imidacloprid, may affect heart, thyroid, blood chemistry, and liver.
Carcinogenicity/Chronic Health Effects: Prolonged overexposure to imidacloprid can cause effects to the thyroid. Imidacloprid did not cause cancer in laboratory animal studies. The U.S. EPA has given imidacloprid a Group E classification (evidence of non-carcinogenicity in humans).

Carcinogenicity
None listed with ACGIH, IARC, NTP or OSHA.

Reproductive toxicity

SECTION 12: Ecological information

Toxicity
To protect the environment, DO NOT allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

SECTION 13: Disposal considerations

Disposal of the product
If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Pennsylvania Right To Know Components
Chemical name: Sulfuric acid diammonium salt
CAS number: 7783-20-2

California Prop. 65 components
Chemical name: VPG Iron 50%
CAS number:
11/24/2015 - Cancer, developmental

Massachusetts Right To Know Components
Chemical name: Zinc sulfate
CAS number: 7733-02-0

New Jersey Right To Know Components
Common name: ZINC SULFATE
CAS number: 7733-02-0

Pennsylvania Right To Know Components
Chemical name: Sulfuric acid, zinc salt (1:1)
CAS number: 7733-02-0

SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.