



VOLUNTARY PURCHASING GROUPS, INC.

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

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome® Bougainvillea & Flowering Vine Food
Product number	13505
Brand	Ferti-lome

Other means of identification

NPK 17-7-10

Recommended use of the chemical and restrictions on use

Fertilizer

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA

Telephone	855-270-4776
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Emergency phone number

In the event of 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

General hazard statement

Toxic to aquatic life
Causes skin and eye irritation
Keep out of reach of children

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

GHS label elements, including precautionary statements

Hazard statement(s)

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

Precautionary statement(s)

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Keep out of reach of children.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Monoammonium phosphate (CAS no.: 7722-76-1)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Vpg potash (Index no.: 800170)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Urea (CAS no.: 57-13-6)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Vpg micromix (Index no.: 800620)	Not specified
CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 1; Toxic to reproduction, Cat. 1B; Specific target organ toxicity (repeated exposure), Cat. 2. HAZARDS: H302 - Harmful if swallowed; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H360 - May damage fertility or the unborn child [effect, route]; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route].	
Ammonium sulfate (CAS no.: 7783-20-2)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Vpg iron 50% (Index no.: 800299)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Manganese (II) sulfate (CAS no.: 7785-87-7; EC no.: 232-089-9; Index no.: 025-003-00-4)	Not specified
CLASSIFICATIONS: Specific target organ toxicity (repeated exposure), Cat. 2; Hazardous to the aquatic environment, long-term (chronic), Cat. 2. HAZARDS: H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route]; H411 - Toxic to aquatic life with long lasting effects.	
Zinc sulfate monohydrate (CAS no.: 7733-02-0; EC no.: 231-793-3; Index no.: 030-006-00-9)	Not specified
CLASSIFICATIONS: Acute toxicity, Cat. 4; Eye damage/irritation, Cat. 1; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects.	
Potassium magnesium sulfate	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

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.

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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.

Most important symptoms/effects, acute and delayed

No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Poison Control Center 800-222-1222.

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.

Reference to other sections

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See Personal Protection information in Section 8

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

Appearance (physical state, color, etc.)	Multi-colored to solid colored granular mixture
Odor	Slight
Odor threshold	Not available
pH	6.26
Melting point/freezing point	54.44°C
Initial boiling point and boiling range	Not applicable
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	above 95°C
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Negligible
Vapor density	Not available
Relative density	48 pounds/cubic foot
Solubility(ies)	Partially soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

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Additional properties

Physical state

Solid

Color

Multi-colored to solid colored

SECTION 10: Stability and reactivity

Reactivity

This material is stable under normal handling and storage conditions.

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).

Skin corrosion/irritation

Not a contact sensitizer in guinea pigs following repeated skin exposure.

Serious eye damage/irritation

Moderately irritating

Respiratory or skin sensitization

Single exposure to dust is not likely to be hazardous. Vapors are unlikely due to physical properties.

Germ cell mutagenicity

Not available

Carcinogenicity

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None listed with ACGIH, IARC, NTP or OSHA.

Reproductive toxicity

Not available

Specific target organ toxicity (STOT) - single exposure

Not available

Specific target organ toxicity (STOT) - repeated exposure

Not available

Aspiration hazard

Not available

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 methods

Product disposal

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

US EPA TSCA public inventory

Chemical name: Phosphoric acid, ammonium salt (1:1)
CAS number: 7722-76-1

Water hazard class (WGK, Germany)

Chemical name: Monoammonium phosphate, cas number: 7722-76-1
WGK hazard class: WGK 1 - Slightly hazardous to water

US EPA TSCA public inventory

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Chemical name: Urea
CAS number: 57-13-6

Water hazard class (WGK, Germany)

Chemical name: Urea, cas number: 57-13-6
WGK hazard class: WGK 1 - Slightly hazardous to water

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Ammonium sulfate solution
CAS number: 7783-20-2
TRI listing: unlisted; CERCLA listing: C-reportable as a chemical category; TURA-only listing: no; de minimis concentration threshold: 1 percent. Qualifiers/definitions: Report as part of Ammonia CAS 7664417. Do not report as an individual chemical. Changes: Delisted from TRI and TURA as an individual chemical of RY1994 but ammonia portions still reportable under ammonia

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid diammonium salt
CAS number: 7783-20-2
Listing note: E-environmental hazard.

US EPA TSCA public inventory

Chemical name: Sulfuric acid ammonium salt (1:2)
CAS number: 7783-20-2

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Ammonium sulfate
CAS number: 7783-20-2
Asterisk: no; Refs: 5 F9

Water hazard class (WGK, Germany)

Chemical name: Ammonium sulfate, cas number: 7783-20-2
WGK hazard class: WGK 1 - Slightly hazardous to water

US EPA TSCA public inventory

Chemical name: Sulfuric acid, manganese(2+) salt (1:1)
CAS number: 7785-87-7

Water hazard class (WGK, Germany)

Chemical name: Manganese (II) sulfate, cas number: 7785-87-7
WGK hazard class: WGK 2 - Hazardous to water

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
Listing note: E-environmental hazard.

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Zinc sulfate
CAS number: 7733-02-0
TRI listing: unlisted; CERCLA listing: C-reportable as a chemical category; TURA-only listing: no; de minimis concentration threshold: 1 percent. Qualifiers/definitions: Report as part of Zinc Compounds category, DEP CODE 1039. Do not report as an individual chemical. Changes: Never individually reportable CERCLA chemical added RY1993. Included in the amount reported for the Zinc Compounds category from RY1990 on per 1992 DEP policy codified into regulation in 2010 that individually listed CERCLA substances be reported as part of applicable TRI category(ies) rather than as individual chemicals.

US EPA TSCA public inventory

Chemical name: Sulfuric acid, zinc salt (1:1)
CAS number: 7733-02-0

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Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Zinc sulfate

CAS number: 7733-02-0

Asterisk: no; Refs: F8 F9

Water hazard class (WGK, Germany)

Chemical name: Zinc sulfate monohydrate, cas number: 7733-02-0

WGK hazard class: WGK 3 - Extremely hazardous to water

SECTION 16: Other information

Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.