



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome® Fruit, Citrus, and Pecan Tree Food 19-10-5

SECTION 1: Identification

GHS Product identifier

Product name Ferti-lome® Fruit, Citrus, and Pecan Tree Food 19-10-5
Product number 13820; 13820Q; 13822
Brand Ferti-lome®

Other means of identification

NPK 19-10-5

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

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

No information available

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)

H402 Harmful to aquatic life

Other hazards which do not result in classification

No information available

SECTION 3: Composition/information on ingredients

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Mixtures

Hazardous components

Component	Concentration
Monoammonium phosphate (CAS no.: 7722-76-1)	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 potash (Index no.: 800170)	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].	
Zinc sulfate (CAS no.: 7733-02-0; EC no.: 231-793-3; Index no.: 030-006-00-9)	Not specified
CLASSIFICATIONS: Acute toxicity, oral, 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.	

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

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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

No information available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water, foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Decomposes upon heating to liberate ammonia.

Avoid dispersion of dust in air to reduce potential explosion hazard.

Special protective actions for fire-fighters

Wear pressure-demand, self-contained breathing apparatus MSHA/NIOSH approved and full protective gear.

Avoid inhalation of fumes and dusts.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Environmental precautions

Avoid the generation of dusts. Prevent release to sewers or waterways in accordance with all applicable federal, state, and local environmental regulations.

Methods and materials for containment and cleaning up

Sweep up, vacuum the material and transfer to the original container, or to a sealed, labeled container.

Residue may be washed away with water.

Dispose of in accordance with Federal, State, and local regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Store in dry, cool, ventilated area, out of direct sunlight.

Corrosive to cast iron and aluminum.

Conditions for safe storage, including any incompatibilities

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INCOMPATIBILITY (Materials to Avoid)

Polyunsaturated liquids, P₂Cl₅, nitrosyl perchlorate, nitrates, alkales, oxidizing agents, hypochlorides, aldehydes, inorganic acids, olefins, polymerizable esters.

HAZARDOUS DECOMPOSITION PRODUCTS

Biuret, cyanuric acid, ammonia, and nitrogen oxides.

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

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 against toxic dusts.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Multicolored Granules
Odor	Slight Chlorine
Odor threshold	No information available.
pH	No information available.
Melting point/freezing point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	No information available.
Solubility(ies)	Appreciable
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
Additional properties	
Physical state	Solid
Color	Multicolored

SECTION 10: Stability and reactivity

Reactivity

No information available.

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Chemical stability

Stable

Possibility of hazardous reactions

Polymerization may occur.

Conditions to avoid

Corrosive to cast iron and aluminum.

Incompatible materials

Polyunsaturated liquids, P2Cl5, nitrosyl perchlorate, nitrates, alkales, oxidizing agents, hypochlorides, aldehydes, inorganic acids, olefins, polymerizable esters.

Hazardous decomposition products

Biuret, cyanuric acid, ammonia, and nitrogen oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Disorders of the respiratory system, dermatitis, or other skin disorders.

Skin corrosion/irritation

Skin contact may result in local irritation.

Serious eye damage/irritation

Eye contact may result in local irritation.

Respiratory or skin sensitization

Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea. Inhalation of high concentrations may result in upper respiratory tract irritation. Inhalation of dust may permanently damage the lungs and result in the development of pneumoconiosis, silicosis, or other respiratory disorders.

Germ cell mutagenicity

No information available.

Carcinogenicity

Possible crystalline silica.

Reproductive toxicity

No information available.

Specific target organ toxicity (STOT) - single exposure

ACUTE OVEREXPOSURE

Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea. Eye and skin contact may result in local irritation. Inhalation of high concentrations may result in upper respiratory tract irritation.

Specific target organ toxicity (STOT) - repeated exposure

CHRONIC OVEREXPOSURE

Inhalation of dust may permanently damage the lungs and result in the development of pneumoconiosis, silicosis, or other respiratory disorders.

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Aspiration hazard
No information available.

SECTION 12: Ecological information

Toxicity
No data available.

Persistence and degradability
No data available.

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 dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

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

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

New Jersey Right To Know Components

Common name: Zinc sulfate
CAS number: 7733-02-0

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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

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, 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.