



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome® Acid Loving Water Soluble Plant Food

SECTION 1: Identification

Product identifier

Product name Ferti-lome® Acid Loving Water Soluble Plant Food

Product number 10754

Other means of identification

N-P-K = 31-11-11

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 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

Classification of the substance or mixture

GHS label elements, including precautionary statements

Hazard statement(s)

H303 May be harmful if swallowed
H313 May be harmful in contact with skin
H320 Causes eye irritation

Precautionary statement(s)

P102 Keep out of reach of children.

Safety Data Sheet

Ferti-lome® Acid Loving Water Soluble Plant Food

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Monoammonium phosphate (CAS no.: 7722-76-1)	Not specified
Potassium nitrate (CAS no.: 7757-79-1)	Not specified
Ferrous sulfate (CAS no.: 7720-78-7)	Not specified
UREA (CAS no.: 57-13-6; Index no.: 800180)	Not specified
New component	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

Water, foam, dry chemical, or CO2

Safety Data Sheet

Ferti-lome® Acid Loving Water Soluble Plant Food

Specific hazards arising from the chemical

Decomposes upon heating to liberate ammonia and oxygen. Avoid dispersion of dust to reduce potential explosion hazard. Components are oxidizers, which decompose to liberate oxygen, which increases the burning rate of combustible matter. Contact with other combustible materials may result in explosion.

Special protective actions for fire-fighters

Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent, and full protective gear. Avoid inhalation of fumes and dust.

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.

Methods and materials for containment and cleaning up

Keep combustibles away from spilled material. Clean up of spills may require personal protective equipment. See Section 8. Sweep up or vacuum the material and transfer to a sealed, labeled, container. Residue may be washed away with water. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste.

Reference to other sections

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

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Corrosive to cast iron and aluminum. Store in dry, cool, ventilated area, out of direct sunlight.

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

Safety Data Sheet

Ferti-lome® Acid Loving Water Soluble Plant Food

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Blue Crystals
Odor	Slight Odor
Odor threshold	
pH	
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	
Solubility(ies)	Appreciable
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	Will not evolve flammable or toxic gases
Oxidizing properties	

SECTION 10: Stability and reactivity

Reactivity

Polymerization will not occur

Chemical stability

Stable

Conditions to avoid

Decomposes upon heating. Avoid heating or direct exposure to sunlight.

Incompatible materials

Strong oxidizers, alkalis, organic agents, and other agents. Do not mix with other compounds.

Hazardous decomposition products

Ammonia, phosphorous oxides, cyanuric acids, carbon dioxide, oxides of nitrogen and potassium.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract nausea, vomiting, cramps, and diarrhea.

Skin corrosion/irritation

Skin contact may result in local irritation and burns.

Safety Data Sheet

Ferti-lome® Acid Loving Water Soluble Plant Food

Serious eye damage/irritation

Eye contact may result in local irritation and burns.

Respiratory or skin sensitization

Acidic substances may cause burns with discoloration and corrosion of the mucous membranes of the mouth, throat, and esophagus, with symptoms of thirst, epigastric pain, nausea, vomiting and diarrhea. Inhalation of high concentrations may result in upper respiratory tract irritation.

STOT-repeated exposure

Repeated or prolonged eye contact may cause conjunctivitis. Repeated or prolonged inhalation may cause erosion of the teeth, inflammatory and ulcerative changes in the mouth, and possibly jaw necrosis. Repeated skin contact may result in dermatitis.

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

New Jersey Right To Know Components

Common name: POTASSIUM NITRATE

CAS number: 7757-79-1

Pennsylvania Right To Know Components

Chemical name: Nitric acid, potassium salt

CAS number: 7757-79-1

Safety Data Sheet

Ferti-lome® Acid Loving Water Soluble Plant Food

Massachusetts Right To Know Components

Chemical name: Ferrous sulfate

CAS number: 7720-78-7

New Jersey Right To Know Components

Common name: FERROUS SULFATE

CAS number: 7720-78-7

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid, iron(2+) salt (1:1)

CAS number: 7720-78-7

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.