



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Ferti•lome® Acid Loving Water Soluble Plant Food

SECTION 1: Identification

GHS Product identifier

Product name	Ferti•lome® Acid Loving Water Soluble Plant Food
Product number	10753
Brand	Ferti•lome®

Other means of identification

N-P-K = 31-11-11

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

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Classification of the substance or mixture

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

GHS label elements, including precautionary statements

Other hazards which do not result in classification

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

SECTION 3: Composition/information on ingredients

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Mixtures

Hazardous components

Component	Concentration
Monoammonium phosphate (CAS no.: 7722-76-1) CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified
Potassium nitrate (0.5m) (CAS no.: 7757-79-1) CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified
Ferrous sulfate (CAS no.: 7720-78-7) CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified
Urea (CAS no.: 57-13-6) CLASSIFICATIONS: No data available. HAZARDS: No data available.	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)

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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 data available.

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

No data available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water, foam, dry chemical, or CO2

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

See Personal Protection information in Section 8.

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

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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

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Blue Crystals
Odor	Slight odor
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Appreciable
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Additional properties

Physical state	Solid
Color	Blue

SECTION 10: Stability and reactivity

Reactivity

Polymerization will not occur

Chemical stability

Stable

Possibility of hazardous reactions

No information available.

Conditions to avoid

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

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.

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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.

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.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

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 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

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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

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

US EPA TSCA public inventory

Chemical name: Nitric acid potassium salt (1:1)

CAS number: 7757-79-1

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Potassium nitrate

CAS number: 7757-79-1

Asterisk: no; Refs: 5

Water hazard class (WGK, Germany)

Chemical name: Potassium nitrate (0.5m), cas number: 7757-79-1

WGK hazard class: WGK 1 - Slightly hazardous to water

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Ferrous sulfate

CAS number: 7720-78-7

TRI listing: unlisted; CERCLA listing: X-reportable; TURA-only listing: no; LHS/HHS/PBT status: LHS-Lower Hazard Status; de minimis concentration threshold: 1 percent. Qualifiers/definitions: Lower Hazard Substance. No chemical fee is charged for this chemical. Changes: CERCLA Chemical added RY1993. Lower Hazard Substance RY2010.

New Jersey Right To Know Components

Common name: Ferrous sulfate

CAS number: 7720-78-7

Pennsylvania Right To Know Components

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Chemical name: Sulfuric acid, iron(2+) salt (1:1)
CAS number: 7720-78-7
Listing note: E-environmental hazard.

US EPA TSCA public inventory

Chemical name: Sulfuric acid, iron(2+) salt (1:1)
CAS number: 7720-78-7

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Ferrous sulfate
CAS number: 7720-78-7
Asterisk: no; Refs: F8

Water hazard class (WGK, Germany)

Chemical name: Ferrous sulfate, cas number: 7720-78-7
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

SECTION 16: Other information

Further information/disclaimer

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