



**VOLUNTARY PURCHASING GROUPS, INC.**

## Safety Data Sheet Ferti-lome Garden Cote

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### SECTION 1: Identification

#### GHS Product identifier

Product name	Ferti-lome Garden Cote
Product number	12140: 12141; 13141
Brand	Ferti-lome

#### Other means of identification

NPK 12-12-12

#### 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

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### SECTION 2: Hazard identification

#### General hazard statement

Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

#### Classification of the substance or mixture

- Hazardous to the aquatic environment - long-term hazard, Cat. 3

#### GHS label elements, including precautionary statements

#### Pictograms



#### Signal word

**Danger**

#### Hazard statement(s)

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H412

Harmful to aquatic life with long lasting effects

### Precautionary statement(s)

P273

Avoid release to the environment.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Statement regarding ingredients of unknown toxicity

9.4 percent of the mixture consists of ingredients of unknown toxicity.

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## SECTION 3: Composition/information on ingredients

### Substances

#### Hazardous components

Component	Concentration
Magnesium sulfate anhydrous (CAS no.: 7487-88-9)	2 - 12 %
Ferrous sulfate (CAS no.: 7720-78-7)	<= 2.5 %
Manganese (II) sulfate monohydrate (CAS no.: 10034-96-5)	<= 2.5 %
Copper sulfate pentahydrate (CAS no.: 7758-99-8)	<= 2.5 %
Zinc sulfate (CAS no.: 7733-02-0; EC no.: 231-793-3; Index no.: 030-006-00-9)	<= 2.5 %

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

If inhaled

Supply fresh air; consult doctor in case of complaints.

In case of skin contact

Generally the product does not irritate the skin.

In case of eye contact

Rinse opened eye for several minutes under running water.

If swallowed

If swallowed and symptoms occur, consult a doctor.

### Most important symptoms/effects, acute and delayed

Kaolin: Prolonged inhalation of excessive levels of kaolin may cause a benign pneumoconiotic condition, not normally associated with a decrement in lung function. In cases of long-term exposure to extremely high levels of dust, progressive fibrosis may occur with lung function impairment.

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

No further relevant information available.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

C02, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### Specific hazards arising from the chemical

No further relevant information available

### Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

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No information available.

### Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/surface or ground water.

### Methods and materials for containment and cleaning up

Dispose of the collected material according to regulations.

### Reference to other sections

See section 7 for information on safe handling.

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## SECTION 7: Handling and storage

### Precautions for safe handling

No special precaution are necessary if used correctly.

### Conditions for safe storage, including any incompatibilities

No special requirements.

### Specific end use(s)

Fertilizer.

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Engineering Controls: No specific controls are needed.

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

#### Eye/face protection

Normally not required. In extremely dusty conditions, appropriate protective equipment is recommended.

Respiratory Protection : Dust mask with particle filter

Hand Protection : Rubber gloves

Eye Protection : Safety goggles

Skin Protection : Normal clean work clothing

#### Skin protection

Wash hands before and after use.

#### Respiratory protection

Dust mask with particle filter

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## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)

Odor

Odor threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Granules

Slight

Not Determined.

No data available.

No data available.

1689 °C (3072 °F)

No data available.

No data available.

No data available.

No data available.

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Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1 g/cm <sup>3</sup> (8.345 lbs/gal)
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

### Additional properties

Physical state	Solid
Color	
Explosive properties	No data available.
Oxidizing properties	No data available.

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## SECTION 10: Stability and reactivity

### Reactivity

No further relevant information available.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

No dangerous reactions known

### Conditions to avoid

No further relevant information available

### Incompatible materials

No further relevant information available

### Hazardous decomposition products

No dangerous decomposition products known.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Magnesium Sulfate

Oral LD50 >2000 mg/kg (rat)

Inhalative LC50/4h >2000 mg/l (rabbit)

LC50/96h 2820 mg/l (Pimephales)

Iron(II) Sulfate

Oral LD50 1520 mg/kg (mouse)

Copper Sulfate Pentahydrate

Oral LD50 300 mg/kg (rat)

#### Skin corrosion/irritation

No irritating effect

#### Serious eye damage/irritation

No irritating effect

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### Germ cell mutagenicity

No information available.

### Carcinogenicity

Non of the ingredients are listed

### Reproductive toxicity

No information available.

### Specific target organ toxicity (STOT) - single exposure

No information available.

### Specific target organ toxicity (STOT) - repeated exposure

No information available.

### Aspiration hazard

No information available.

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## SECTION 12: Ecological information

### Toxicity

Avoid release to the environment. Runoff from fire control or dilution water may cause pollution.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

### Other adverse effects

Harmful to fish

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### Packaging disposal

Disposal must be made according to official regulations.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

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Not dangerous goods

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### SECTION 15: Regulatory information

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

##### 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

##### New Jersey Right To Know Components

Common name: Kaolin  
CAS number: 1332-58-7

##### Pennsylvania Right To Know Components

Chemical name: Kaolin  
CAS number: 1332-58-7

##### Massachusetts Right To Know Components

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

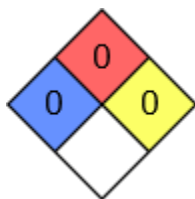
##### New Jersey Right To Know Components

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

#### NFPA Rating



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### SECTION 16: Other information

No data available.

#### Further information/disclaimer

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