



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome® Winterizer for Established Lawns 10-0-14

SECTION 1: Identification

Product identifier

Product name Ferti-lome® Winterizer for Established Lawns 10-0-14

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

Not classified

GHS label elements, including precautionary statements

No labeling applicable

Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. UREA

CAS no. 57-13-6

Index no. 800180

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2. POTASSIUM CHLORIDE	
CAS no.	7447-40-7
3. Calcium sulfate	
CAS no.	7778-18-9
4. Sulfuric acid, iron (2+) salt 1:1), monohydrate	
CAS no.	17375-41-6
5. Zinc sulfate, monohydrate	
CAS no.	7446-19-7
6. COPPER SULFATE PENTAHYDRATE	
CAS no.	7758-99-8
7. MANGANESE (II) SULFATE MONOHYDRATE	
CAS no.	10034-96-5
8. Borates, tetra, sodium salts, Pentahydrate	
CAS no.	12179-04-3

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. Oils and ointments should not be used unless directed by a physician. 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.

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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

Foam, Water, 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 or equivalent, and full protective gear.

Avoid inhalation of fumes and dusts.

Further information

Primary Routes of Exposure and Target Organs: Skin contact, inhalation, eye contact, ingestion

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 a cool, dry place, ventilated and out of direct sunlight.

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Conditions for safe storage, including any incompatibilities
Corrosive to cast iron and aluminum.

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 containing quartz.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Multi-colored granules
Odor	Slight chlorine
Odor threshold	
pH	
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	
Upper/lower flammability limits	Not determined
Upper/lower explosive limits	
Vapor pressure	Not applicable
Vapor density	
Relative density	
Solubility(ies)	Appreciable
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Reactivity in Water: Will not evolve flammable or toxic gases

Percent Volatile by Volume: <1%

Specific Gravity 0.05

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SECTION 10: Stability and reactivity

Reactivity

Stable

Chemical stability

Stable

Conditions to avoid

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

Incompatible materials

Strong oxidizers and alkalis

Hazardous decomposition products

Hazardous Decomposition Products: Ammonia, phosphorous oxides, cyanuric acid, cyanic acid and carbon dioxide.
Hazardous Polymerization: May occur

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Medical Conditions Generally Aggravated by Exposure: Disorders of respiratory system, dermatitis or other skin disorders.

Skin corrosion/irritation

Existing medical conditions are generally aggravated by exposure.

Serious eye damage/irritation

Eye and skin contact may result in local irritation.

Respiratory or skin sensitization

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

Chronic Overexposure: Inhalation of dust may permanently damage the lungs and results in the development of pneumoconiosis, silicosis, or other respiratory disorders

Germ cell mutagenicity

No data available.

Carcinogenicity

None

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

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Aspiration hazard

No data available.

SECTION 12: Ecological information

Ecotoxicity

None Expected

Persistence and Degradability

No data available.

Bioaccumulation Potential

This material shows no bioaccumulation effect or food chain concentration toxicity.

Mobility in Soil

Minimal mobility in soil.

Other Adverse Effects

No data available.

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

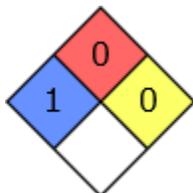
HMIS Rating

Ferti-lome® Winterizer for Established Lawns 10-0-14	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

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PERSONAL PROTECTION

NFPA Rating



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.