

**Material  
Safety  
Data  
Sheet**
**ferti-lome® Winterizer 10-0-14**
**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Name: Voluntary Purchasing Groups, Inc.	Box 460, Bonham, TX 75418
Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)	
For Additional Information Contact: Product Manager or Chemtrec	Date Prepared: 03-14-05
Common Name (Used on Label): ferti-lome® Winterizer 10-0-14	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of monoammonium phosphate, urea, muriate of potash, diatomaceous earth, vermiculite, and water.
Trade Name & Synonyms: ferti-lome® Winterizer	

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Urea	57-13-6	Proprietary	Not established	Not established
Attapulgate (diatomaceous earth)	12174-11-7	Proprietary	0.1 mg/m3*	0.1 mg/m3*

\* Respirable quartz

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration.

TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists.

**SECTION 3 - PHYSICAL DATA**

BOILING POINT (°F) Does not apply	SPECIFIC GRAVITY (H <sub>2</sub> O=1) 0.05	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) <1%	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (ethyl ether=1) Does not apply
SOLUBILITY IN WATER Appreciable	REACTIVITY IN WATER Will not evolve flammable or toxic gases	
APPEARANCE AND ODOR Multicolored granules; slight chlorine odor		

**SECTION 4 - FIRE AND EXPLOSION DATA**

FLASH POINT (°F) Does not apply	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Not determined Upper: Not determined	
EXTINGUISHING MEDIA Water, foam, dry chemical, or carbon dioxide	AUTO IGNITION TEMPERATURE Not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS Decomposes upon heating to liberate ammonia. Avoid dispersion of dust in air to reduce potential explosion hazard.		
SPECIAL FIRE FIGHTING PROCEDURES		

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

### SECTION 5 - HEALTH INFORMATION

#### PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS

Skin contact, inhalation, eye contact, ingestion

#### SIGNS AND SYMPTOMS OF EXPOSURE

##### (1) 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.

##### (2) CHRONIC OVEREXPOSURE

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

#### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

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

#### CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

None

#### NTP

YES  NO

#### IARC

YES  NO

#### OSHA

YES  NO

#### OTHER EXPOSURE LIMITS

ACGIHH TLV (nuisance dusts)= 10 mg/m<sup>3</sup>; OSHA PEL (nuisance dusts)= 15 mg/m<sup>3</sup>

#### EMERGENCY AND FIRST AID PROCEDURES

INGESTION: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician. EYE CONTACT: Immediately flush eyes with water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye and lids with water. Obtain medical attention if irritation persists. Oils and ointments should not be used unless directed by a physician. SKIN CONTACT: Immediately wash skin with soap and water. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### SECTION 6 - REACTIVITY DATA

#### STABILITY

Unstable  Stable

#### CONDITIONS TO AVOID

Decomposes upon heating.

#### INCOMPATIBILITY (Materials to Avoid)

Strong oxidizers and alkalis

#### HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia, phosphorous oxides, cyanuric acid, cyanic acid, and carbon dioxide.

#### HAZARDOUS POLYMERIZATION

May Occur  Will Not occur

#### CONDITIONS TO AVOID

Avoid heating or direct exposure to sunlight.

### SECTION 7 - SPILL OR LEAK PROCEDURES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED

Cleanup 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.

#### WASTE DISPOSAL METHOD

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

<b>SECTION 8 - PERSONAL PROTECTION INFORMATION</b>
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<b>RESPIRATORY PROTECTION</b>
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NIOSH/MSHA approved for protection against toxic dusts containing quartz.
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<b>VENTILATION</b>
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Local or general exhaust to maintain exposure below TLV/PEL.
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<b>PROTECTIVE GLOVES</b>
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PVC or Neoprene
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<b>EYE PROTECTION</b>
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Safety glasses or goggles (ANSI Z87.1 1979)
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<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b>
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Apron, boots, long sleeved shirt and full-length pants (or overalls) may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.
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<b>SECTION 9 - SPECIAL PRECAUTIONS</b>
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<b>PRECAUTIONS TO BE TAKEN IN HANDLING &amp; STORING</b>
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Corrosive to cast iron and aluminum. Store in dry, cool, ventilated area, out of direct sunlight.
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<b>OTHER PRECAUTIONS</b>
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Not determined
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<b>SECTION 10 - OTHER INFORMATION</b>
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The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.