

**Material
Safety
Data Sheet**

ferti-lome(R) Classic Slow Release Nitrogen

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: 03-14-03 |
| Common Name (Used on Label): ferti-lome(R) Classic Slow Release Nitrogen | Chemical Family: Does not apply |
| Chemical Name: Does not apply | Formula: Mixture of urea, monammonium phosphate, Nitroform, muriate of potash, and distomaceous earth |
| Trade Name & Synonyms: ferti-lome(R) Classic Slow Release Nitrogen | |

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENT | CAS NUMBER | % (TYPICAL) | TLV (UNITS) | PEL (UNITS) |
|-----------------------------------|------------|-------------|-----------------|-----------------|
| Urea | 57-13-6 | Proprietary | Not established | Not established |
| Attapuligite (diatomaceous earth) | 12174-11-7 | Proprietary | 0.1 mg/m3* | .01 mg/m3* |
| Monoammonium phosphate | 7722-76-1 | Proprietary | Not established | Not established |

* 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 ₂ O=1) 0.7 | 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: <u>Not determined</u> Upper: <u>Not determined</u> | |
| EXTINGUISHING MEDIA Water, foam, dry chemical, or carbon dioxide. | AUTO IGNITION TEMPERATURE Not determined | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS Decomposes upon heating ammonia and formaldehyde. 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 or equivalent, and full | | |

protective gear. Avoid inhalation of fumes and dust.

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 concentration 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

ACGIH TLV (nuisance dusts) = 10 mg/m³; OSHA PEL (nuisance dusts) = 15 mg/m³

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 surface of the 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, formaldehyde, phosphorous oxides, cyanuric 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

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, or to the original container. Residue may be washed away with water.

WASTE DISPOSAL METHOD

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

SECTION 8 - PERSONAL PROTECTION INFORMATION**RESPIRATORY PROTECTION**

NIOSH/MSHA approved for protection against toxic dusts containing quartz.

VENTILATION

Local or general exhaust to maintain exposure below 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 (or overalls) may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 9 - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING**

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

OTHER PRECAUTIONS

Do not eat, drink, or smoke while handling.

SECTION 10 - OTHER INFORMATION

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.