

Material Safety Data Sheet

Product Name: ferti-lome® Systemic Insecticide Granules

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® Systemic Insecticide Granules	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of diatomaceous earth and Disulfoton
Trade Name & Synonyms: ferti-lome® Systemic Insecticide Granules EPA# 7401-26	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Attapulgite	2174-11-7	Proprietary	0.1mg/m3*	0.1mg/m3*
Disulfoton	298-04-4	Proprietary	.01mg/m3	0.1mg/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 ₂ O=1) 0.6	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) <15%	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (ethyl ether=1) Not determined
SOLUBILITY IN WATER Negligible		REACTIVITY IN WATER Will not evolve flammable or toxic gases
APPEARANCE AND ODOR: Gray to red granules. Characteristic odor of sulfur compounds.		

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, dry chemical, carbon dioxide	AUTO IGNITION TEMPERATURE Not determined
UNUSUAL FIRE AND EXPLOSION HAZARDS Thermal decomposition will evolve phosphorous pentoxide, carbon monoxide, sulfur dioxide, and ethyl mercaptan.	
SPECIAL FIRE FIGHTING PROCEDURES Utilize positive pressure self-contained breathing apparatus with full body protection. Stay away from smoke. Do not breathe dusts, smoke, or decomposition products. Cool exposed containers with water spray.	

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Inhalation, Ingestion, Skin or Eye contact, Skin Absorption
SIGNS AND SYMPTOMS OF EXPOSURE

(1) ACUTE OVEREXPOSURE

Exposure may produce symptoms of nausea, sweating, tightness in the chest, and miosis. Increased exposure can produce symptoms such as stomach pains, vomiting & diarrhea. More excessive exposure can produce muscular tremors, uncontrolled mucous secretion, convulsions and coma. Irritating to the eyes.

(2) CHRONIC OVEREXPOSURE

Disulfoton is a cholinesterase inhibitor. 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, nervous system, dermatitis or other skin disorders.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN None

NTP NO	IARC NO	OSHA 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. **EYE AND SKIN CONTACT:** Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation or symptoms occur seek medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

NOTE TO PHYSICIAN:

Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance.

SECTION 6 - REACTIVITY DATA

STABILITY	Stable	CONDITIONS TO AVOID
INCOMPATIBILITY (Materials to Avoid)		
	Strong oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS	P2O5, CO, SO2, ethyl mercaptan.	
HAZARDOUS POLYMERIZATION	Will Not occur	CONDITIONS TO AVOID Does not apply.

SECTION 7 – SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**

Avoid skin contact and breathing dust. See Section 8. Sweep-up spilled material and place in a sealed, labeled container. Scrub area with detergent and bleach. Rinse 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 / pesticide dusts containing quartz.

VENTILATION

Local or general exhaust to maintain exposure below TLV/PEL.

PROTECTIVE GLOVES

Latex or Neoprene.

EYE PROTECTION

Safety glasses or goggles (ANSI Z87.1 1979)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Apron, boots, long sleeve 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

Store in a cool, dry well ventilated area. Do not store near any material intended for human or animal consumption or use. 30-day average storage temperature should not exceed 100 degrees F.

OTHER PRECAUTIONS

Keep out of reach of children. Harmful if swallowed. May be absorbed through the skin.

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.