

**Material
Safety
Data
Sheet**
ferti-lome® Ornamental and Evergreen Spray
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® Ornamental and Evergreen Spray	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of cyclohexanone, cygon, petroleum distillates and emulsifiers.
Trade Name & Synonyms: ferti-lome® Ornamental and Evergreen Spray EPA # 7401-97-10159	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Cyclohexanone	108-94-1	Proprietary	25 PPM	25 PPM
Dimethoate *	60-51-5	8	Not established	Not established
Petroleum distillate	64742-95-6	See below	See below	See below
1,2,4-Trimethylbenzene*	95-63-6	24	25 PPM	Not established
Xylene*	1330-20-7	2.3	100 PPM	100 PPM
Cumene*	98-82-8	1.2	50 PPM	50 PPM
Ethylbenzene*	100-41-4	0.4	100 PPM	100 PPM

* This substance is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372. This information should be included in all Material Safety Data Sheets (MSDSs) that are copied and distributed for this material.

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) Not determined	SPECIFIC GRAVITY (H ₂ O=1) 0.93	VAPOR PRESSURE (mm Hg) Not determined
PERCENT VOLATILE BY VOLUME (%) 90%	VAPOR DENSITY (AIR=1) Not determined	EVAPORATION RATE (ethyl ether=1) Not determined
SOLUBILITY IN WATER Appreciable (cyclohexanone)		REACTIVITY IN WATER Will not evolve flammable or toxic gases
APPEARANCE AND ODOR Colorless liquid; ammonia 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>	
Product Name: ferti-lome® Ornamental and Evergreen Spray	ID Number:	Page: 1

EXTINGUISHING MEDIA AFFF non-alcohol foam, dry chemical, or carbon dioxide	AUTO IGNITION TEMPERATURE Not determined
UNUSUAL FIRE AND EXPLOSION HAZARDS Combustible liquid. If heated above the flash point, heavy vapors can flow along surfaces to distant ignition sources and flash back.	
SPECIAL FIRE FIGHTING PROCEDURES Conduct fire fighting and rescue operations from upwind of the fire area. Keep unnecessary people away. Isolate hazard area and deny entry. Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Decontaminate emergency personnel when leaving fire area. Alert medical personnel to be ready to treat pesticide poisoning. Anyone showing symptoms of poisoning must leave the emergency site immediately and receive medical attention. Isolate area until gas, vapors or fumes have dispersed. Coveralls, gloves and boots should be worn when decontaminating fire-fighting equipment. Hot containers may explode, use water to keep containers cool. Control runoff water- if water enters drainage system, advise the authorities downstream.	

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Ingestion, skin absorption, inhalation, skin and eye contact		
SIGNS AND SYMPTOMS OF EXPOSURE		
(1) ACUTE OVEREXPOSURE Eye, nose, and throat irritation. Eye contact may cause corneal injury. Contact with the skin may produce irritation or dermatitis.		
(2) CHRONIC OVEREXPOSURE Inactivation of the enzyme cholinesterase, which results in the accumulation of acetylcholine at synapses in the nervous system, skeletal and smooth muscles, and secretory glands. Symptoms exhibited may include weakness, involuntary twitching, giddiness, confusion, ataxia, slurred speech, and eventually paralysis. May have reproductive effects.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Disorders of the nervous system, skin disorders, or dermatitis. May affect the unborn fetus.		
CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN None		
NTP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IARC <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	OSHA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
OTHER EXPOSURE LIMITS TLV(dimethoate): 0.7mg/m3 (American Cyanamid Co.)		
EMERGENCY AND FIRST AID PROCEDURES IF SWALLOWED: Do not induce vomiting. Get medical attention. SKIN OR EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse. Toxic components of this product may be absorbed through the skin. Seek medical attention. INHALATION: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.		

SECTION 6 - REACTIVITY DATA

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID None determined
INCOMPATIBILITY (Materials to Avoid) Strongly acidic or alkaline materials, oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may produce oxides of carbon, nitrogen, phosphorous, and sulfur.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	CONDITIONS TO AVOID None determined

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

Absorb spill with clay or sawdust. Shovel into a metal container for disposal. Cleanup of spill may require personal protective equipment to prevent inhalation and eye or skin contact. See Section 8.

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 organic vapors and pesticides.

VENTILATION

General or local exhaust to maintain exposures below the TLV/PEL.

PROTECTIVE GLOVES

Rubber, plastic, PVC, or other impervious material.

EYE PROTECTION

Chemical splash goggles (ANSI Z87.1 1979)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

As necessary to prevent contact with the skin.

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

Do not contaminate water, food, or feed by storage or disposal. Not for use or storage in or around the home. Keep away from sources of ignition and protect from exposure to fire and heat. Segregate from incompatible materials.

OTHER PRECAUTIONS

Areas containing this material should conform to the codes governing Class I flammable liquids.

SECTION 10 - OTHER INFORMATION

See information on product label.

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.