

Material Safety Data Sheet	ferti-lome® Quik-Kill Home, Garden & Pet Spray RTU
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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® Quik-Kill Home, Garden & Pet Spray RTU	Chemical Family: Mixture
Chemical Name: Mixture	Formula: Permethrin with methyl alcohol and petroleum solvent.
Trade Name & Synonyms: ferti-lome® Quik-Kill Home, Garden & Pet Spray RTU EPA # 7401-319	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Permethrin:((3-Phenoxyphenyl)methyl(+)-cis, trans-3-(2,2-dichloroethenyl)-2-2-dimethylcyclopropanecarboxylate)*	52645-53-1	13	Not established	Not established
Aromatic Petroleum Solvent	64742-95-6		See below	See below
1,2,4-Trimethylbenzene*	95-63-6	26	25 PPM	Not established
Xylene*	1330-20-7	2.4	100 PPM	100 PPM
Cumene*	98-82-8	1.2	50 PPM	50 PPM
Ethylbenzene*	100-41-4	0.4	100 PPM	100 PPM
Methyl alcohol*	67-56-1	0.03	200 PPM	200 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) 0.91-0.93	VAPOR PRESSURE (mm Hg) Not determined
PERCENT VOLATILE BY VOLUME (%) >80%	VAPOR DENSITY (AIR=1) Not determined	EVAPORATION RATE (ethyl ether=1) Not determined
SOLUBILITY IN WATER Miscible	REACTIVITY IN WATER Will not evolve flammable or toxic gases	
APPEARANCE AND ODOR Clear brown liquid; solvent odor		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) >100 degrees F (TCC)	FLAMMABLE LIMITS IN AIR (% by volume) Lower: <u>Not determined</u> Upper: <u>Not determined</u>
EXTINGUISHING MEDIA Dry chemical, CO2, foam, water spray	AUTO IGNITION TEMPERATURE Not determined
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep containers cool. Combustible liquid. Avoid explosive ignition. May give off hydrogen chloride gas upon combustion or at high temperatures.	
SPECIAL FIRE FIGHTING PROCEDURES Utilize self-contained breathing apparatus with full-face piece operated in pressure demand or other positive pressure mode. Keep out of smoke. Cool exposed containers with water spray. Prevent spread of contaminated run-off.	

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Inhalation, eye or skin contact, ingestion		
SIGNS AND SYMPTOMS OF EXPOSURE (1) ACUTE OVEREXPOSURE May lead to irritation of eyes and mucous and nervous system symptoms. May cause allergic reaction in sensitive individuals.		
(2) CHRONIC OVEREXPOSURE Repeated or prolonged exposure may affect the liver and kidneys. Synthetic pyrethrums may produce central nervous system stimulation with symptoms of nausea, vomiting, gastroenteritis, diarrhea, hypersensitivity, uncoordination, tremors, convulsion, coma, and death.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Disorders of the skin/eyes, liver, kidneys, and cardiovascular system. Allergies or asthma. Disorders of the nervous system.		
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 None determined		
EMERGENCY AND FIRST AID PROCEDURES INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. EYE OR SKIN CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse. INGESTION: Do not induce vomiting. Contact a physician or poison control center immediately.		

SECTION 6 - REACTIVITY DATA

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID None determined
INCOMPATIBILITY (Materials to Avoid) Do not mix with other agents as the evolution of toxic gases/vapors may occur. Keep away from oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS Hydrogen chloride and oxides of carbon.	
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**

Ventilate area of spill, eliminate ignition sources. Absorb liquid residue with sand or other absorbent material, place in a labeled container, and seal for later disposal. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of wastes. Do not contaminate any water source. Product is highly toxic to fish.

WASTE DISPOSAL METHOD

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

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

NIOSH/MSHA approved respiratory devices to protect against organic vapors and pesticide dust/mists.

VENTILATION

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

PROTECTIVE GLOVES

Utilize rubber gloves when necessary to prevent skin contact.

EYE PROTECTION

Splash-proof or dust-resistant safety goggles to prevent eye contact. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

When necessary, utilize impervious clothing and other equipment to prevent skin contact with this substance. Provide emergency shower/eyewash facility.

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

Store in cool, well ventilated, dry area, below 100 degrees F. Should not be stored or used near heat sources or open flame. Avoid unnecessary contact with material. Wash-up after handling or use. Wash contaminated clothing before reuse.

OTHER PRECAUTIONS

None determined.

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.