

**Material
Safety
Data
Sheet**
ferti-lome® Red Spider & Mite 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: 6-14-04
Common Name (Used on Label): ferti-lome® Red Spider & Mite Spray	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of pyrethrums, piperonyl butoxide, petroleum solvents, and other proprietary & confidential ingredients.
Trade Name & Synonyms: ferti-lome® Red Spider & Mite Spray EPA # 7401-388-10159	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Pyrethrins	8003-34-7	Proprietary	5 mg/m3	5 mg/m3
Piperonyl butoxide	51-03-6	Proprietary	Not established	Not established
Isoparaffinic petroleum solvent	64742-47-8	Proprietary	Not established	Not established

Other proprietary and confidential ingredients

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) 100 degrees C	SPECIFIC GRAVITY (H ₂ O=1) 0.98	VAPOR PRESSURE (mm Hg) Not determined
PERCENT VOLATILE BY VOLUME (%) 100%	VAPOR DENSITY (AIR=1) Not established	EVAPORATION RATE (ethyl ether=1) Not established
SOLUBILITY IN WATER Complete	REACTIVITY IN WATER Not determined	
APPEARANCE AND ODOR Clear liquid; odorless		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) Not determined	FLAMMABLE LIMITS IN AIR (% by volume) Lower: <u>Not determined</u> Upper: <u>Not determined</u>	
EXTINGUISHING MEDIA Carbon dioxide, foam, or dry chemical	AUTO IGNITION TEMPERATURE Not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS Not determined		
SPECIAL FIRE FIGHTING PROCEDURES		

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Not determined

SECTION 5 - HEALTH INFORMATION**PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS**

Ingestion, skin or eye contact

SIGNS AND SYMPTOMS OF EXPOSURE**(1) ACUTE OVEREXPOSURE**

Skin or eye contact may result in the development of skin irritation, including allergic dermatitis. Large doses can cause hyper excitability, uncoordination, tremors, and muscular paralysis.

(2) CHRONIC OVEREXPOSURE

May affect liver and kidneys.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Skin disorders and dermatitis

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

None

NTP YES NO**IARC** YES NO**OSHA** YES NO**OTHER EXPOSURE LIMITS**STEL(pyrethrum):10 mg/m³**EMERGENCY AND FIRST AID PROCEDURES**

IF SWALLOWED: Do not induce vomiting unless directed by a physician. Contact a physician or Poison Control Center immediately. EYE OR SKIN CONTACT: Flush eyes with plenty of water. Contact a physician immediately. Flush skin with plenty of water.

SECTION 6 - REACTIVITY DATA**STABILITY** Unstable Stable**CONDITIONS TO AVOID**

Does not apply

INCOMPATIBILITY (Materials to Avoid)

Not determined

HAZARDOUS DECOMPOSITION PRODUCTS

Not determined

HAZARDOUS POLYMERIZATION May Occur 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**

Soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Clean up of spill may require the use of personal protective equipment. See Section 8.

WASTE DISPOSAL METHOD

Dispose of in accordance with Federal, State, and local regulations. Product must be disposed of at or by an approved waste disposal facility.

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

NIOSH/MSHA approved to provide protection against pesticides and pesticide mists.

VENTILATION

Local or general exhaust to maintain airborne concentration below TLV/PEL.

PROTECTIVE GLOVES

Rubber or other impervious material.

EYE PROTECTION

Chemical splash goggles (ANSI Z87.1 1979)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Apron, boots, long sleeve shirt and full-length pants (or overalls) should be worn to prevent skin contact. Eyewash and shower facilities should be available.

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

Container may remain hazardous when empty. Do not contaminate water or food by storage or disposal.

OTHER PRECAUTIONS

This product is toxic to fish. Keep out of lakes, streams and ponds. Do not apply directly to water.

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.