

**MATERIAL SAFETY DATA SHEET****DATED: 03-14-03****Product: ferti-lome® Liquid Systemic Fungicide****SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Name: Voluntary Purchasing Groups, Inc. P.O. Box 460, Bonham, Texas 75418Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)For Additional Information Contact: Product Manager or ChemtrecCommon Name (used on label): ferti-lome® Liquid Systemic FungicideEPA # 100-773-7401Formula: Liquid Propiconazole**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Component	CAS Number	%(Typical)	TLV(Units)	PEL(Units)
PROPICONAZOLE (1)	60207-90-1	1.55%	Not Established	Not Established

(1) NOTE: This is a toxic chemical and is subject to the reporting requirements of Section 313 of Title 111 Of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

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 (oF): Not AvailableSpecific Gravity(H<sub>2</sub>O=1): 0.98-1.02Vapor Pressure: 1.30E-04 Pa @ 20oCPercent Volatile By Water: Not DeterminedSolubility in Water: 0.1g/L @ 20oCAppearance: Clear Yellow/Amber Liquid**SECTION 4 – FIRE AND EXPLOSION DATA**Flash Point(oF): Not Available (Water Based Product)Flammable Limits in Air (% by volume): Not DeterminedExtinguishing Media: Dry chemical, foam or CO<sub>2</sub>

In Case Of Fire: Use dry chemical, foam, or CO<sub>2</sub> extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated.

**SECTION 5 – HEALTH INFORMATION**

Notes to Physician: There is no specific antidote if this product is ingested. Severe contamination of eyes may require specialized ophthalmologic attention. Treat symptomatically. Do not induce vomiting. If a large amount has been ingested, lavage stomach carefully to avoid aspiration.

Chemical/Component Listed as Carcinogen or Potential Carcinogen: NoneNTP: NoIARC: NoOSHA: No

Signs and Symptoms of Exposure:

- (1) Acute Exposure: Exposure to eyes can cause substantial, but temporary eye irritation. Prolonged inhalation of vapors may irritate throat and nasal passages:

EMERGENCY AND FIRST AID PROCEDURES:

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

INGESTION: Do not induce vomiting. If victim is fully conscious, give 1 or 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical assistance. EYE CONTACT: Immediately rinse eyes with a large amount of running water. Hold eyelids apart to rinse entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician. SKIN CONTACT: Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate prior to re-use. INHALATION: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

**SECTION 6 – REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: Does not apply

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

**SECTION 7 – SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and an NIOSH-approved pesticide respirator or a supplied-air respirator. For small spills, cover with an absorbent material such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

WASTE DISPOSAL METHOD:

Dispose of in a waste disposal facility in accordance with regulatory agency guidelines for pesticides.

**SECTION 8 – PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH – approved pesticide respirator or supplied-air respirator

VENTILATION: General or local exhaust

PROTECTIVE GLOVES: Rubber, Plastic, PVC, or other impervious materials

EYE PROTECTION: Goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long-sleeved work clothing, hat, Eye bath and safety shower.

## **SECTION 9 – SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

**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.**