

<b>Material Safety Data Sheet</b>	<b>ferti-lome® Centipede Weed &amp; Feed</b>
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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: 12/26/01
Common Name (Used on Label): ferti-lome® Centipede Weed & Feed	Chemical Family: Mixture
Chemical Name: Mixture	Formula: Mixture
Trade Name & Synonyms: ferti-lome® Centipede Weed & Feed EPA # 2217-603-7401	

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
2,4-Dichlorophenoxyacetic acid(2,4D)*	94-75-7	1.1	10 mg/m3	10 mg/m3
2-(2-Methyl-4-chlorophenoxy)propionic acid (Mercoprop)	93-65-2	2.0	Not established	Not established
3,6-Dichloro-o-anisic acid (Dicamba)	1918-00-9	0.2	Not established	Not established
Dimethylamine (DMA)	124-40-3	0.7	5 ppm	10 ppm
Hydrous magnesium aluminum silicate; or hydrous aluminum silicate	8031-18-3	Proprietary	10 mg/m3	15 mg/m3
Quartz	14808-60-7	Proprietary	0.1 mg/m3	0.1 mg/m3
Potassium chloride	7447-40-7	Proprietary	10 mg/m3	10 mg/m3
Urea, carbamide	9011-05-6	Proprietary	Not established	Not established
Formaldehyde *	50-00-0	<0.1	0.3 ppm	0.75 ppm

\* This substance is subject to the reporting requirements of section 313 of Title III 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 (°F) Does not apply	SPECIFIC GRAVITY (H <sub>2</sub> O=1) Not determined	VAPOR PRESSURE (mm Hg) Not determined
PERCENT VOLATILE BY VOLUME (%) Not determined	VAPOR DENSITY (AIR=1) Not determined	EVAPORATION RATE (ethyl ether=1) Not determined
SOLUBILITY IN WATER Not determined	REACTIVITY IN WATER Will not evolve flammable or toxic gases.	
APPEARANCE AND ODOR Tan color; earthy odor		

### SECTION 4 - FIRE AND EXPLOSION DATA

<b>FLASH POINT (°F)</b> Non-combustible	<b>FLAMMABLE LIMITS IN AIR (% by volume)</b> Lower: <u>Does not apply</u> Upper: <u>Does not apply</u>
<b>EXTINGUISHING MEDIA</b> Carbon dioxide, foam, dry chemical, water fog.	<b>AUTO IGNITION TEMPERATURE</b> Not determined
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Do not breathe products of combustion. A fire involving this product may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities. Product may be slippery when wet. Product does not ignite readily, but may burn at a very high temperature.	
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Utilize self-contained breathing apparatus with full-face piece, operated in pressure demand or other positive pressure mode. Utilize full protective clothing. Remove containers from fire area. Do not breathe smoke. Fight fire from maximum distance. Stay upwind and out of low areas.	

### SECTION 5 - HEALTH INFORMATION

<b>PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS</b> Inhalation, eye and skin contact, ingestion. May affect lungs, skin, eyes, and central nervous system.		
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b>		
<b>(1) ACUTE OVEREXPOSURE</b> May be harmful in inhaled in sufficient quantities. Symptoms may include breathlessness, wheezing cough and sputum production. May be irritating to the eyes, skin, mucous membranes, nasal and respiratory passages. Ingestion may cause gastrointestinal irritation, with vomiting, abdominal pain and diarrhea, as well as central nervous system (CNS) depression. CNS depression may include symptoms of drowsiness, slow reflexes, and slurred speech. A component of this product is a diuretic.		
<b>(2) CHRONIC OVEREXPOSURE</b> Prolonged exposure to dust of Fuller's earth may cause a relatively benign lung disease, though there is a risk of the development of massive fibrosis. Repeated and prolonged exposure to Respirable crystalline quartz that may be contained in this product may cause delayed lung injury including silicosis. Silicosis is a form of disabling pulmonary fibrosis that can be progressive and may lead to death. Repeated or prolonged skin contact may cause skin irritation. Some individuals may develop a sensitivity to chlorophenoxy compounds.		
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b> Disorders of the eyes, skin, respiratory system, and central nervous system.		
<b>CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN</b> Formaldehyde and Quartz.		
<b>NTP</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<b>IARC</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<b>OSHA</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>OTHER EXPOSURE LIMITS</b> OSHA STEL for Formaldehyde is 2 ppm. ACGIH STEL for Dimethylamine is 15 ppm		
<b>EMERGENCY AND FIRST AID PROCEDURES</b> <b>INHALATION:</b> Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. <b>EYE OR SKIN CONTACT:</b> Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse. Seek medical attention if irritation persists. <b>INGESTION:</b> Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician or poison control center.		

**SECTION 6 - REACTIVITY DATA**

<b>STABILITY</b> <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	<b>CONDITIONS TO AVOID</b> Does not apply
<b>INCOMPATIBILITY (Materials to Avoid)</b> Polyunsaturated liquids, chlorinated phosphorous compounds, nitrosyl perchlorate, nitrates, alkalis, oxidizing agents, hypochlorides, aldehydes, inorganic acids, olefins, polymerizable esters.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> Biuret, cyanuric acid, ammonia, nitrogen oxides, hydrogen chloride, organochlorides, and carbon monoxide.	
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	<b>CONDITIONS TO AVOID</b> Does not apply

**SECTION 7 - SPILL OR LEAK PROCEDURES**

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED</b> Cleanup with dustless methods and place into a labeled container, or the original container, and seal for later disposal or reuse. Do not dry sweep. Flush area of spill with water. Do not allow wash water to enter drinking water supplies, sewer, or waterways. Keep animals away from large spills. Utilize personal protective equipment. Do not touch spilled material. Wear chemical resistant gloves, protective clothing, and safety glasses.
<b>WASTE DISPOSAL METHOD</b> Dispose of in accordance with Federal, State, and local regulations.

**SECTION 8 - PERSONAL PROTECTION INFORMATION**

<b>RESPIRATORY PROTECTION</b> NIOSH/MSHA approved respiratory devices to protect against dusts containing quartz, and organic vapors.
<b>VENTILATION</b> General or local exhaust to maintain employee exposure below the TLV/PEL.
<b>PROTECTIVE GLOVES</b> Utilize impervious gloves to prevent skin contact.
<b>EYE PROTECTION</b> Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b> Utilize apron, long sleeve shirt and full length pants(or overalls) and other equipment, as necessary to prevent contact of product with the skin. Eyewash facility should be available for emergency use.

**SECTION 9 - SPECIAL PRECAUTIONS**

<b>PRECAUTIONS TO BE TAKEN IN HANDLING &amp; STORING</b> Avoid breakage of bagged material or spills of bulk material. Use dustless systems for handling, storage, and cleanup. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Wash or vacuum clothing that has become dusty. Store in a secure location that is not accessible to children or pets. Do not store near feed, seed, or food. Store in cool area. Do not freeze.
<b>OTHER PRECAUTIONS</b> Do not eat, drink, or smoke while handling. Do not contaminate water supplies. Do not use this product if application may drift away from area of intended use.

**SECTION 10 - OTHER INFORMATION**

10768

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.