



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Ferti-lome Broad Spectrum Landscape & Garden Fungicide**

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### **SECTION 1: Identification**

#### **Product identifier**

Product name Ferti-lome Broad Spectrum Landscape & Garden Fungicide  
Product number 10375  
Brand Ferti-lome

#### **Other means of identification**

EPA Reg. No. 60063-16-7401

#### **Recommended use of the chemical and restrictions on use**

Fungicide

#### **Supplier's details**

Name Voluntary Purchasing Groups, Inc.  
Address 230 FM 87  
Bonham TX 75418  
USA

Telephone 855-270-4776

#### **Emergency phone number(s)**

In the event of a medical or chemical emergency contact ChemTel, Inc.  
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

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### **SECTION 2: Hazard identification**

#### **Classification of the substance or mixture**

#### **GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

- Acute toxicity, inhalation (C.4.3), Cat. 2
- Carcinogenicity (C.4.9), Cat. 2

#### **GHS label elements, including precautionary statements**

#### **Pictogram**

# Safety Data Sheet

## Ferti-lome Broad Spectrum Landscape & Garden Fungicide



### Signal word

### Warning

#### Hazard statement(s)

H330  
H351  
H400

Fatal if inhaled  
Suspected of causing cancer  
Very toxic to aquatic life

#### Precautionary statement(s)

P260  
P271  
P284  
P304+P340  
  
P310  
P320  
P403+P233  
P405  
P501

Do not breathe dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
[In case of inadequate ventilation] wear respiratory protection.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a POISON CENTER/doctor  
Specific treatment is urgent (see section 4).  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container according to local, regional, national, and international regulations.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed or concerned: Get medical advice/attention.

P201  
P202  
P280  
P308+P313

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## SECTION 3: Composition/information on ingredients

### Mixtures

### Hazardous components

#### 1. CHLOROTHALONIL

Concentration	12.5 % (weight)
EC no.	217-588-1
CAS no.	1897-45-6
Index no.	608-014-00-4

- Carcinogenicity (C.4.9), Cat. 2
- Acute toxicity, Cat. 2
- Eye damage/irritation (C.4.5), Cat. 1
- Specific target organ toxicity (single exposure) (C.4.11), Cat. 3
- Sensitization, skin (C.4.7), Cat. 1
- Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 1

H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled

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H335	May cause respiratory irritation
H351	Suspected of causing cancer [route]
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

### 2. Propylene glycol

Concentration	< 5 % (weight)
EC no.	200-338-0
CAS no.	57-55-6

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
If inhaled	When symptoms occur: go into open air and ventilate suspected area.
In case of skin contact	Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### Most important symptoms/effects, acute and delayed

Symptoms/Injuries: May be fatal if inhaled.

Symptoms/Injuries After Inhalation: Fatal if inhaled.

Symptoms/Injuries After Skin Contact: May cause an allergic reaction in sensitive individuals. May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: May be harmful if swallowed.

Chronic Symptoms: May cause cancer.

### Indication of immediate medical attention and special treatment needed, if necessary

medical advice is needed, have product container or label at hand.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Alcohol foam, carbon dioxide, dry chemical, water spray, fog. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### Specific hazards arising from the chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

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Reactivity: Hazardous reactions will not occur under normal conditions.

### Special protective actions for fire-fighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

### Further information

Do not allow run-off from fire fighting to enter drains or water courses. De-contaminate equipment or materials involved in pesticide fires.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

### Environmental precautions

Prevent entry to sewers and public waters.

### Methods and materials for containment and cleaning up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Storage Area: Store locked up.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

#### 1. Propylene glycol (CAS: 57-55-6 EC: 200-338-0)

TWA (Inhalation): 10 mg/m<sup>3</sup>; USA (OSHA)

USA. Workplace Environmental Exposure Levels (WEEL)

### Individual protection measures, such as personal protective equipment (PPE)

#### Pictograms



#### Eye/face protection

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Chemical goggles or safety glasses

### Skin protection

Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

### Body protection

Use chemically protective clothing.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Light/ Gray. Liquid.
Odor	Slight
Odor threshold	
pH	6 - 8
Melting point/freezing point	-5 °C (23°F) (23.00 °F)
Initial boiling point and boiling range	100 °C (212°F) (212.00 °F)
Flash point	Not flammable
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	5.72 mPa x 10 <sup>-7</sup> torr @25°C
Vapor density	
Relative density	10.3 lb/gal
Solubility(ies)	Water: 0.6 - 0.9 ppm
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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## SECTION 10: Stability and reactivity

### Reactivity

Hazardous reactions will not occur under normal conditions.

### Chemical stability

Product is stable

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### Hazardous decomposition products

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Carbon oxides (CO, CO<sub>2</sub>). sulfur oxides. Silicon oxides.

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Fatal if inhaled.

Chlorothalonil (1897-45-6)

LD50 Oral Rat 3260 mg/kg

LD50 Dermal Rat 2020 mg/kg

LD50 Dermal Rabbit 10 g/kg

LC50 Inhalation Rat 0.1 mg/l/4h

ATE (Vapors) 310.00 mg/l/4h

ATE (Dust/Mist) 0.05 mg/l/4h

Propylene glycol (57-55-6)

LD50 Oral Rat 20 g/kg

LD50 Dermal Rabbit 20800 mg/kg

##### Skin corrosion/irritation

Not classified

##### Serious eye damage/irritation

Not classified

##### Respiratory or skin sensitization

Not classified

##### Germ cell mutagenicity

Not classified

##### Carcinogenicity

Suspected of causing cancer.

Chlorothalonil (1897-45-6)

IARC group 2B

National Toxicity Program (NTP) Status Evidence of Carcinogenicity.

##### Reproductive toxicity

Not classified

##### STOT-single exposure

Not classified

##### STOT-repeated exposure

Not classified

##### Aspiration hazard

Not classified

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### SECTION 12: Ecological information

#### Toxicity

Chlorothalonil (1897-45-6)

LC50 Fish 1 0.012 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

EC50 Daphnia 1 0.0342 - 0.143 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

LC 50 Fish 2 0.0076 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

Propylene glycol (57-55-6)

LC50 Fish 1 51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

EC50 Daphnia 1 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)

LC 50 Fish 2 41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

EC50 Daphnia 2 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

#### Persistence and degradability

Not established

#### Bioaccumulative potential

Not established

#### Mobility in soil

No additional information available

#### Other adverse effects

Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### Disposal of the product

Dispose of waste material in accordance with all local, regional, national, and international regulations.

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### SECTION 14: Transport information

#### DOT (US)

\*\* Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons) \*\*

Proper Shipping Name : TOXIC BY INHALATION LIQUID, N.O.S. with an LC50 lower than or equal to 200 ml/m3 and saturated vapor concentration greater than or equal to 500 LC50

Hazard Class : 6.1

Identification Number : UN3381

Label Codes : 6.1

Packing Group : I

#### IMDG

Proper Shipping Name : TOXIC BY INHALATION LIQUID, N.O.S.

Hazard Class : 6.1

Identification Number : UN3381

Packing Group : I

Label Codes : 6.1

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

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### IATA

Proper Shipping Name : TOXIC BY INHALATION LIQUID,  
Identification Number : N.O.S. UN3381  
Hazard Class : 6  
Label Codes : 6.1  
ERG Code (IATA) : 6L

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## SECTION 15: Regulatory information

### Safety, health and environmental regulations specific for the product in question

#### Massachusetts Right To Know Components

Chemical name: 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-  
CAS number: 1897-45-6

#### New Jersey Right To Know Components

Common name: CHLOROTHALONIL  
CAS number: 1897-45-6

#### Pennsylvania Right To Know Components

Chemical name: Chlorothalonil  
CAS number: 1897-45-6

#### California Prop. 65 components

Chemical name: CHLOROTHALONIL  
CAS number: 1897-45-6  
01/01/1989 - cancer

#### New Jersey Right To Know Components

Common name: PROPYLENE GLYCOL  
CAS number: 57-55-6

#### Pennsylvania Right To Know Components

Chemical name: 1,2-Propanediol  
CAS number: 57-55-6

#### New Jersey Right To Know Components

Propylene glycol  
CAS number: 57-55-6

#### Pennsylvania Right To Know Components

Propylene glycol  
CAS number: 57-55-6

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

No SARA Hazards

#### California Prop. 65 Components

WARNING: This product can expose you to chemicals including Chlorothalonil, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### EPA FIFRA Pesticide Product Notice

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

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## SECTION 16: Other information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.