



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Ferti-lome Broad Spectrum Landscape & Garden Fungicide

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
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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

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

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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 to 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.

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

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.

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.

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.

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.

SECTION 8: Exposure controls/personal protection

Control parameters

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

TWA (Inhalation): 10 mg/m³; 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.

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 ⁻⁷ 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	

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, CO₂). sulfur oxides. Silicon oxides.

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.

SECTION 13: Disposal considerations

Disposal of the product

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

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

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.

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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.

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.