



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome Fungicide 5 Ready to Use

SECTION 1: Identification

Product identifier

Product name Ferti-lome Fungicide 5 Ready to Use
Product number 16116
Brand Ferti-lome Green

Other means of identification

EPA Reg. No. 70051-114-7401

Recommended use of the chemical and restrictions on use

Residential 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

SECTION 2: Hazard identification

Classification of the substance or mixture

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

GHS label elements, including precautionary statements

Hazard statement(s)

H317 May cause an allergic skin reaction

Precautionary statement(s)

P264 Wash hands thoroughly after handling.

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Other hazards which do not result in classification

Do not apply directly to water or to areas where surface water is present, or to intertidal areas below mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply when weather conditions favor drift or runoff from treated areas.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Bacillus amyloliquefaciens (CAS no.: 68038-60-8)	9.88 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Remove individual to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call poison control center or doctor for further advice. Have the product label with you when calling a poison control center or doctor.
In case of skin contact	Remove contaminated clothing and wash affected area with plenty of soap and water. If irritation persists call poison control or doctor for treatment advice
In case of eye contact	Immediately flush with water holding eye open for 15-20 minutes. Remove contact lenses after 5 minutes if present and continue rinsing eye. Seek medical attention if irritation persists.

Most important symptoms/effects, acute and delayed

May cause an allergic reaction in some individuals

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

The active ingredient contained in this product has a high affinity for activated charcoal. In case of ingestion of large amounts, administrate 5 mg/kg activated charcoal suspension (50g/400mL water).

SECTION 5: Fire-fighting measures

Suitable extinguishing media

All extinguishing media

Specific hazards arising from the chemical

None specified

Special protective actions for fire-fighters

None specified

Further information

None specified

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SECTION 6: Accidental release measures

Environmental precautions

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local and national health and environmental regulations.

Methods and materials for containment and cleaning up

Recover free product. Use absorbent material to minimize runoff of product or mixed product.

Sweep up and place in a chemical container. Seal the container and handle in an approved manner. Do not allow wash water to contaminate water supplies. Dispose of in accordance with Federal State and local regulations for disposal of non-hazardous waste.

SECTION 7: Handling and storage

Precautions for safe handling

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing/PPE immediately if pesticides got inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Conditions for safe storage, including any incompatibilities

Store pesticide in a cool dry area that is inaccessible to children. Store in original containers only. Keep container closed when not in use.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Use in well ventilated area

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

Skin protection

Long sleeved shirt and long pants

Body protection

Repeated exposure to high concentrates of microbial proteins can cause allergic sensitization.

Wash clothing and PPE using manufacturer's instructions immediately after use and before reuse.

Respiratory protection

Mixer loaders and applicators must wear a dust/mist respirator meeting NIOSH standards of at least N-95, R- 95, or P-95.

Environmental exposure controls

Do not apply directly to water or to areas where surface water is present or intertidal areas below high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not apply when weather conditions favor drift or run off from treated areas.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)

Tan liquid

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Odor	Yeast like
Odor threshold	No data available.
pH	4.0 - 5.0
Melting point/freezing point	32°F
Initial boiling point and boiling range	212°F
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	8.55 lbs/gal
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

Reactivity

Stable

Chemical stability

Stable

Possibility of hazardous reactions

None known

Conditions to avoid

None known

Incompatible materials

None known

Hazardous decomposition products

None known

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 (oral)

LD50 > 5000 mg/kg body weight rat, test results based on similar product containing the same active ingredient.

LD50 (dermal)

LD50 > 5050 mg/kg body weight rat, test results based on similar product containing the same active ingredient.

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LC50 (inhalation)

LC50 > 2.18 mg/L, test results based on similar product containing the same active ingredient

Skin corrosion/irritation

Non-irritating, Toxicity Category IV

Serious eye damage/irritation

No positive effects exhibited in any eyes after treatment Practically non-irritating, Toxicity Category IV

Respiratory or skin sensitization

No data available.

Carcinogenicity

NTP Listed: Not applicable.

IARC Listed: Not applicable.

OSHA: Not applicable.

SECTION 12: Ecological information

Toxicity

Bacillus amyloliquefaciens

LD50 Oral - Northern Bobwhite

Result: 2250 mg/kg body weight

Bacillus amyloliquefaciens

LC50 Oral - Oncorhynchus mykiss (rainbow trout) - 30 days

Result: 8.1 x 10¹⁰ CFU/L

Bacillus amyloliquefaciens

EC50 Oral - Daphnia magna (water flea) - 21 days

Result: 2.3 x 10¹⁰ CFU/L

Bacillus amyloliquefaciens

LC50 Oral - Apis mellifera - 48 hours

Result: 1.0 x 10⁹ CFU/mL

Persistence and degradability

The active substance B. amyloliquefaciens D747 populations spreading to the environment during or after field application will rapidly decline to naturally occurring background levels.

Bioaccumulative potential

The active substance B. amyloliquefaciens D747 does not multiply and accumulate in animals and humans.

Mobility in soil

The active substance B. amyloliquefaciens D747 spores readily adsorb to the clay fractions in soils and show no evidence of leaching. Therefore the risk of ground water contamination is considered negligible.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal of the product

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Do not contaminate water, food, or feed by storage and disposal.

Disposal of contaminated packaging

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Labeling requirements under FIFRA

This product 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-pesticidal chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION, KEEP OUT OF REACH OF CHILDREN

SECTION 16: Other information