



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Ferti-lome Tree & Shrub Drench

SECTION 1: Identification

Product identifier

Product name	Ferti-lome Tree & Shrub Drench
Product number	11205; 11206; 11207; 11208
Brand	Ferti-lome

Other means of identification

EPA Reg. No. 53883-205-7401

Recommended use of the chemical and restrictions on use

Insecticide for residential use

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)

GHS label elements, including precautionary statements

Hazard statement(s)

H320	Causes eye irritation
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Precautionary statement(s)

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P264
P270
P305+P351+P338

P337+P313

Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Imidacloprid

Concentration	1.47 % (weight)
Other names / synonyms	1-((6-Chloro-3-pyridinyl)methyl)-N-nitro-2-imidazolidinimine;
CAS no.	138261-41-3

SECTION 4: First-aid measures

Description of necessary first-aid measures

In case of eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

No specific antidote is available. Treat the patient symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water spray, CO2, foam, dry chemical.

Specific hazards arising from the chemical

In the event of fire, irritating and toxic gasses can release due to thermal decomposition or combustion.

Special protective actions for fire-fighters

Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike areas to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.

SECTION 6: Accidental release measures

Methods and materials for containment and cleaning up

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Carefully handle the container to prevent spills. If material is spilled, carefully contain any material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed in the product label.

Keep unprotected persons and animals out of the area. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Avoid dust formation. Avoid contact breathing dust. Avoid contact with skin and eyes. Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

SECTION 7: Handling and storage

Precautions for safe handling

Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Avoid breathing dust or vapor. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Conditions for safe storage, including any incompatibilities

Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet. Protect from freezing.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

To avoid exceeding exposure limits, handle only with adequate ventilation.

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

Pictograms



Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection

Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or Viton.

Respiratory protection

Not normally required. When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

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

Milky-white liquid
Mild chemical

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Odor threshold	
pH	6.03
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	1.013g/ml
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	162.814 centistokes @ 20°C
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

Chemical stability

Stable under normal conditions.

Hazardous decomposition products

Thermal decomposition or combustion may produce gases such as hydrogen chloride, hydrogen cyanide, and oxides of carbon and nitrogen.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Oral LD50 (Rat): > 4,143 mg/kg (female); 4870 mg/kg (male)

Acute Dermal LD50 (Rabbit): > 2,000 mg/kg (female and male)

Acute Inhalation LC50 (Rat): > 5.33 mg/L (4-h)

Eye Irritation (Rabbit): Minimally irritating

Skin Irritation (Rabbit): Non-irritating

Dermal Sensitization: Not a skin sensitizer

Skin corrosion/irritation

Skin: May cause slight irritation. Harmful if absorbed through skin.

Serious eye damage/irritation

Eye : Cause eye irritation

Respiratory or skin sensitization

Inhalation Harmful if inhaled.

Germ cell mutagenicity

The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

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Carcinogenicity

In oncogenicity studies in rats and mice, imidacloprid was not considered carcinogenic in either species.

Summary of evaluation of the CMR properties

REPRODUCTION: In a two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.

DEVELOPMENTAL TOXICITY: In developmental toxicity studies in rats and rabbits, there was no evidence of an embryotoxic or teratogenic potential for imidacloprid. In both species, developmental effects were observed only at high doses and in conjunction with maternal toxicity.

SECTION 12: Ecological information

Toxicity

ECOTOXICITY: (Data based on Imidacloprid Technical)

LC50 (96h) Rainbow Trout: 211 mg/L

LD50 Bobwhite Quail: 152 mg/kg

EC50 (48h) Daphnia magna: 85 mg/L

EC50 (72h) Algae: > 10 mg/L

Bee LD50: 0.008 ug/bee

Other adverse effects

ENVIRONMENTAL HAZARDS: This pesticide is toxic to aquatic invertebrates. Do not apply directly to lakes, streams or ponds. Do not dump rinse water into sewers or other bodies of water.

This product can kill bees and other insect pollinators. Follow application restrictions found in the directions for use to protect pollinators.

SECTION 13: Disposal considerations

Disposal of the product

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Disposal of contaminated packaging

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

SARA 311/312 Hazards

Acute health hazard (immediate)

Chronic

FIFRA Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information for safety data sheet, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION Cause eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

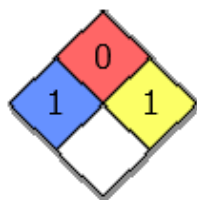
New Jersey Right To Know Components

Imidacloprid

Pennsylvania Right To Know Components

Imidacloprid

NFPA Rating



SECTION 16: Other information