



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet Ferti-lome® A-Vert Plus Lawn Food

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#### SECTION 1: Identification

##### Product identifier

Product name Ferti-lome® A-Vert Plus Lawn Food

Product number 10912

##### Other means of identification

EPA# 62719-192-7401

##### 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

##### General hazard statement

Caution

##### Classification of the substance or mixture

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

##### Pictogram



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### Hazard statement(s)

H320 Causes eye irritation  
H315 Causes skin irritation  
H332 Harmful if inhaled

### Precautionary statement(s)

P102 Keep out of reach of children.

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## SECTION 3: Composition/information on ingredients

### Substances

#### Hazardous components

Component	Concentration
isoxaben (ISO) (CAS no.: 82558-50-7; EC no.: 407-190-8; Index no.: 616-043-00-9)	
TRIFLURALIN (CAS no.: 1582-09-8; EC no.: 216-428-8; Index no.: 609-046-00-1)	
N-butyl-N-ethyl, alpha, alpha, alphas-trifluoro-2, 6-dinitro-p-toluidine (CAS no.: 1861-40-1)	
Ammonium Sulfate (CAS no.: 7783-20-2)	
UREA (CAS no.: 57-13-6; Index no.: 800180)	
VPG Potash (Index no.: 800170)	
VPG MicroMix (Index no.: 800620)	

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

#### General advice

Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.

#### If inhaled

Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.

#### In case of skin contact

Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

#### In case of eye contact

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

#### If swallowed

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

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Personal protective equipment for first-aid responders

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Use water, CO2 or dry chemicals

#### Specific hazards arising from the chemical

Will emit toxic vapors as it burns. Contain water from fire fighting to prevent entry to surface and ground water.

#### Special protective actions for fire-fighters

Wear full protective clothing and use self-contained breathing apparatus.

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

#### Environmental precautions

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

#### Methods and materials for containment and cleaning up

Contain and sweep up material. If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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### SECTION 7: Handling and storage

#### Precautions for safe handling

Avoid contact with skin, eyes or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (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 in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticides, fertilizers, food and feed. Store in original container and out of reach of children, preferable in a locked storage area. Do not contaminate water, food or feed by storage or disposal.

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### SECTION 8: Exposure controls/personal protection

#### Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

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

##### Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

##### Skin protection

PVC or Neoprene gloves

##### Body protection

Water proof apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

##### Respiratory protection

NIOSH/MSHA approved for protection

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form	Multi-color mix granules
Odor	Slight aromatic
Odor threshold	
pH	(aqueous 50/50) 6.5 to 7.5
Melting point/freezing point	349 to 354°F (176 to 179°C)
Initial boiling point and boiling range	
Flash point	752 to 761°F (400 to 405°C)
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	Partially soluble in water
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

POLYMERIZATION: Not known to occur.

#### Chemical stability

Stable

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### Conditions to avoid

Do not store near heat or flame. Store in a cool dry place.

### Hazardous decomposition products

Will emit toxic vapors as it burns

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Very low toxicity if swallowed. The oral LD50 for rats and mice is >10000 mg/kg. Harmful effects are not anticipated from swallowing small amounts.

#### Skin corrosion/irritation

Prolonged contact is essentially non-irritating to the skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts. The LD50 for skin absorption in rabbits is >2000 mg/kg. Did not cause allergic skin reactions when tested in guinea pigs.

#### Serious eye damage/irritation

May cause slight eye irritation. May cause slight corneal injury.

#### Respiratory or skin sensitization

Dust may cause irritation to upper respiratory tract (nose and throat).

#### Germ cell mutagenicity

In-vitro and animal genetic toxicity studies were negative.

#### Carcinogenicity

An increase in non-malignant liver tumors was observed with Isoxaben in one of two species tested.

#### Reproductive toxicity

Has caused birth defects in laboratory animals only at doses toxic to the mother. In animal studies, has been shown to interfere with reproduction in females.

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## SECTION 12: Ecological information

### Toxicity

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

### Persistence and degradability

Material is expected to biodegrade only very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

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### SECTION 13: Disposal considerations

#### Disposal of the product

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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### SECTION 14: Transport information

#### DOT (US)

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

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### SECTION 15: Regulatory information

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

##### New Jersey Right To Know Components

Common name: ISOXABEN

CAS number: 82558-50-7

##### Massachusetts Right To Know Components

Chemical name: Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-

CAS number: 1582-09-8

##### New Jersey Right To Know Components

Common name: TRIFLURALIN

CAS number: 1582-09-8

##### Pennsylvania Right To Know Components

Chemical name: Trifluralin

CAS number: 1582-09-8

##### Pennsylvania Right To Know Components

Chemical name: Sulfuric acid diammonium salt

CAS number: 7783-20-2

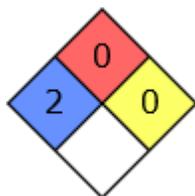
# Safety Data Sheet

## Ferti-lome® A-Vert Plus Lawn Food

### HMIS Rating

Ferti-lome® A-Vert Plus Lawn Food	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.