



**VOLUNTARY PURCHASING GROUPS, INC.**

## Safety Data Sheet Ferti-lome® Broadleaf Weed Control with Gallery®

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### SECTION 1: Identification

#### GHS Product identifier

Product name Ferti-lome® Broadleaf Weed Control with Gallery®  
Product number 10885  
Brand Ferti-lome®

#### Other means of identification

EPA# 62719-178-7401

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

Herbicide

#### Supplier's details

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

Telephone 855-270-4776

#### Emergency phone number

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, 2012)

#### GHS label elements, including precautionary statements

#### Pictograms



#### Hazard statement(s)

H410 Very toxic to aquatic life with long lasting effects  
H320 Causes eye irritation  
H313+H333 May be harmful in contact with skin or if inhaled

#### Precautionary statement(s)

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Keep out of reach of children.  
Read label before use.

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### SECTION 3: Composition/information on ingredients

#### Mixtures

#### Hazardous components

Component	Concentration
Isoxaben (iso) (CAS no.: 82558-50-7; EC no.: 407-190-8; Index no.: 616-043-00-9)	Not specified
CLASSIFICATIONS: Hazardous to the aquatic environment, long-term (chronic), Cat. 4. HAZARDS: H413 - May cause long lasting harmful effects to aquatic life.	

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### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	If medical advice is needed, have product container or label at hand. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
If inhaled	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
In case of skin contact	Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.
If swallowed	Rinse mouth. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Call a POISON CENTER/doctor/physician if you feel unwell.
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

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wash and shower facilities should be available.

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

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

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

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. 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.

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## SECTION 5: Fire-fighting measures

#### **Suitable extinguishing media**

Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

#### **Specific hazards arising from the chemical**

Do not permit dust to accumulate. When suspended in air dust can pose an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Dense smoke is produced when product burns.

#### **Special protective actions for fire-fighters**

Keep people away. Isolate fire and deny unnecessary entry. Consider feasibility of a controlled burn to minimize environment damage. Foam fire extinguishing system is preferred because uncontrolled water can spread possible contamination. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

#### **Further information**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.

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## SECTION 6: Accidental release measures

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

Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment.

#### **Environmental precautions**

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

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

Contain spilled material if possible. Small spills: Sweep up. Collect in suitable and properly labeled containers. Large spills: Contact Dow AgroSciences for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

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## SECTION 7: Handling and storage

#### **Precautions for safe handling**

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Keep out of reach of children. Avoid breathing dust. Use with adequate ventilation. Do not swallow. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container closed. Good housekeeping and controlling of dusts are necessary for safe handling of product. Keep away from heat, sparks and flame.

#### Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies.

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## SECTION 8: Exposure controls/personal protection

#### Appropriate engineering controls

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

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

##### Eye/face protection

Use safety glasses (with side shields).

##### Skin protection

Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

##### Body protection

Wear clean, body-covering clothing.

##### Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

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## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Gray or tan granules
Odor	Musty
Odor threshold	None known
pH	8.5 - 10.0 pH Electrode (aqueous 50/50)
Melting point/freezing point	176 - 179 °C (349 - 354 °F)
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	May form combustible dust concentrations in air.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	0.384 g/cm <sup>3</sup> Unspecified
Solubility(ies)	1.42 mg/l 20°C, Unbuffered
Partition coefficient: n-octanol/water	No information available.

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Auto-ignition temperature	415 °C (779 °F)
Decomposition temperature	No information available.
Viscosity	No information available.

#### Additional properties

Physical state	Solid
Color	Gray or tan

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## SECTION 10: Stability and reactivity

#### Reactivity

No dangerous reaction known under conditions of normal use.

#### Chemical stability

Thermally stable at typical use temperatures.

#### Possibility of hazardous reactions

Hazardous Polymerization  
Will not occur.

#### Conditions to avoid

Exposure to elevated temperatures can cause product to decompose.

#### Incompatible materials

None known.

#### Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide. Nitrogen oxides. Toxic gases are released during decomposition.

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## SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product:

LD50, Rat, male and female, > 5,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product:

LD50, Rabbit, male and female, > 5,000 mg/kg

Acute inhalation toxicity

Inhalation is unlikely due to physical state. Prolonged excessive exposure to dust may cause adverse effects.

As product: The LC50 has not been determined.

##### Skin corrosion/irritation

Prolonged contact may cause slight skin irritation with local redness.

##### Serious eye damage/irritation

Essentially nonirritating to eyes.

##### Respiratory or skin sensitization

Did not cause allergic skin reactions when tested in guinea pigs.

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#### Germ cell mutagenicity

For the active ingredient(s): In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were predominantly negative.

#### Carcinogenicity

An increase in nonmalignant liver tumors was observed with isoxaben in one of two species tested.

#### Reproductive toxicity

In animal studies, has been shown to interfere with reproduction in females.

#### Specific target organ toxicity (STOT) - single exposure

In animals, effects have been reported on the following organs: Liver. Kidney

#### Specific target organ toxicity (STOT) - repeated exposure

In animals, effects have been reported on the following organs: Liver. Kidney

#### Aspiration hazard

Based on physical properties, not likely to be an aspiration hazard.

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## SECTION 12: Ecological information

#### Toxicity

Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested). Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg). Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).

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## SECTION 13: Disposal considerations

#### Disposal methods

#### Product disposal

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

# Safety Data Sheet

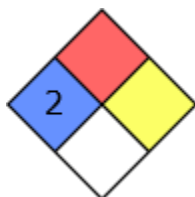
## Ferti-lome® Broadleaf Weed Control with Gallery®

CAS number: 82558-50-7  
Listing note: CA-carcinogen.

### HMIS Rating

Ferti-lome® Broadleaf Weed Control with Gallery®	
HEALTH	2
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

### Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.