



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome® Brush Killer Stump Killer

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome® Brush Killer Stump Killer
Product number	11483; 11484; 11485
Brand	Ferti-lome®

Other means of identification

EPA Reg. No. 62719-226-7401

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

SECTION 2: Hazard identification

General hazard statement

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

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)

H227

Combustible liquid

Safety Data Sheet

Ferti-lome® Brush Killer Stump Killer

H313 May be harmful in contact with skin
H320 Causes eye irritation
H400 Very toxic to aquatic life

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container to in accordance with Federal, State and local regulations.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Triclopyr, butoxyethyl ester (CAS no.: 64700-56-7)	8.8 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

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.

Personal protective equipment for first-aid responders

Safety Data Sheet

Ferti-lome® Brush Killer Stump Killer

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.

Most important symptoms/effects, acute and delayed

To date no symptoms are known.

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

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water fog, alcohol-resistant foam, CO₂, and dry chemical

Specific hazards arising from the chemical

Irritating vapors under fire conditions.

Special protective actions for fire-fighters

Wear a positive pressure self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Methods and materials for containment and cleaning up

Contain spills. Keep out of streams and domestic water supplies. Report large spills to Voluntary Purchasing Groups. Absorb small spills in inert materials, such as sand, sawdust, or Zorball.

Reference to other sections

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

Information regarding safe handling, see section 7.

SECTION 7: Handling and storage

Precautions for safe handling

Keep out of reach of children. Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Avoid contact with eyes, skin and clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Conditions for safe storage, including any incompatibilities

Safety Data Sheet

Ferti-lome® Brush Killer Stump Killer

Store product in original container. Keep container tightly closed when not in use. Do not store with acids, bases or oxidizing materials. See product label for handling/storage precautions relative to the end use of this product.

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

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 against toxic dusts.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Amber liquid
Odor	Slight, sweet odor
Odor threshold	None known
pH	8.7 - 9.7
Melting point/freezing point	
Initial boiling point and boiling range	698°F (370C); Decomp.
Flash point	> 93.3 °C
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	.00001 MMhG#33c
Vapor density	12.3 (AIR=1)
Relative density	ca. 1.02 g/cm ³ at 20 °C
Solubility(ies)	No information available.
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	698°F (370C); Decomp.
Viscosity	No information available.
Additional properties	
Physical state	Liquid
Color	Amber
Explosive properties	No information available.

SECTION 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under normal storage conditions.

Safety Data Sheet

Ferti-lome® Brush Killer Stump Killer

Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Not known to occur.

Conditions to avoid

Combustible.

Incompatible materials

Acids, bases and oxidizing materials

Hazardous decomposition products

Nitrogen oxides, hydrogen chloride, and phosgene may result under fire conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 (male rat) 3,743 mg/kg

LD50 (female rat) 4,444 mg/kg

LC50 (rat) > 5.2 mg/l

Exposure time: 4 h

Determined in the form of liquid aerosol.
(actual)

LC50 (rat) > 20.8 mg/l

Exposure time: 1 h

Determined in the form of liquid aerosol.
Extrapolated from the 4 hr LC50.
(actual)

LD50 (rabbit) > 2,000 mg/kg

Skin corrosion/irritation

Brief contact may cause skin irritation with local redness.

Prolonged skin contact is unlikely to result in absorption of harmful amounts. The LD50 for skin absorption is >2000 mg/kg (rabbits) and >5000 mg/kg (rats). Has caused allergic skin reactions when tested in guinea pigs.

Serious eye damage/irritation

May cause moderate eye irritation. Corneal injury is unlikely.

Respiratory or skin sensitization

Prolonged exposure is not expected to cause adverse effects.

Germ cell mutagenicity

In-vitro and animal genetic toxicity studies were negative.

Carcinogenicity

Triclopyr did not cause cancer in laboratory animals.

Reproductive toxicity

Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.

Specific target organ toxicity (STOT) - single exposure

Safety Data Sheet

Ferti-lome® Brush Killer Stump Killer

Triclopyr did not cause specific target organ toxicity in experimental animal studies.

Specific target organ toxicity (STOT) - repeated exposure

Triclopyr did not cause specific target organ toxicity in experimental animal studies.

Additional information

Low toxicity if swallowed. The oral LD50 for rats is 803 mg/kg. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

SECTION 12: Ecological information

Toxicity

LC50 (*Oncorhynchus mykiss* (rainbow trout)) 400 mg/l

Exposure time: 96 h

The value mentioned relates to the active ingredient triclopyr.

LC50 (*Daphnia magna* (Water flea)) > 1,000 mg/l

Exposure time: 48 h

The value mentioned relates to the active ingredient triclopyr.

EC50 (*Crassostrea virginica* (Eastern Oyster)) 55 - 87 mg/l shell deposition; Exposure time: 48 h

The value mentioned relates to the active ingredient triclopyr.

Material is highly toxic to aquatic organisms on an acute basis (LC50 between 0.1 and 1 mg/L in most sensitive species). Material is slightly toxic to birds on an acute basis (LD50 between 501 and 2000 mg/kg). Material is practically non-toxic to birds on a dietary basis (LC50 >5000ppm).

Acute oral LD50 in honeybee (*Apis mellifera*) is >110 ug/bee.

Acute contact LD50 in honeybee (*Apis mellifera*) is >100 ug/bee.

Persistence and degradability

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

Bioaccumulative potential

Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5). Potential for mobility in soil is medium (Koc between 150 and 500).

Mobility in soil

Mobile in soils

Other adverse effects

Do not allow to get into surface water, drains and ground water.

Do not apply when weather conditions favor runoff or drift.

Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites.

Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

Apply this product as specified on the label.

Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

SECTION 13: Disposal considerations

Disposal methods

Safety Data Sheet

Ferti-lome® Brush Killer Stump Killer

Product disposal

Dispose in accordance with all local, state/provincial and federal regulations.
Follow container label instructions for disposal of wastes generated during use in compliance with the product label.
Do not contaminate water, food, or feed by disposal.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

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

SARA 311/312 Hazards

Product name: Ferti-lome® Brush Killer Stump Killer

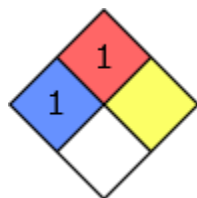
New Jersey Right To Know Components

Product name: Ferti-lome® Brush Killer Stump Killer

HMIS Rating

Ferti-lome® Brush Killer Stump Killer	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	
PERSONAL PROTECTION	

NFPA Rating



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.

Safety Data Sheet
Ferti-lome® Brush Killer Stump Killer