



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome® Brush Killer Stump Killer

SECTION 1: Identification

Product identifier

Product name Ferti-lome® Brush Killer Stump Killer
Product number 11485

Other means of identification

EPA# 62719-226-7401

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

SECTION 2: Hazard identification

Classification of the substance or mixture

- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1

GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H227 Combustible liquid
H313 May be harmful in contact with skin
H320 Causes eye irritation
H400 Very toxic to aquatic life

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Precautionary statement(s)

P102	Keep out of reach of children.
P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Triclopyr, butoxyethyl ester (CAS no.: 64700-56-7)	8.8 %

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

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.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

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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.

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

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

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Information on basic physical and chemical properties

Appearance/form	Amber liquid
Odor	slight, sweet odor
Odor threshold	
pH	
Melting point/freezing point	
Initial boiling point and boiling range	698°F (370C); Decomp.
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	.00001 MMhG#33c
Vapor density	12.3 (AIR=1)
Relative density	
Solubility(ies)	23mg/L
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

SPECIFIC GRAVITY: 1.306@68°F

SECTION 10: Stability and reactivity

Reactivity

Chemical stability

Stable under normal storage conditions.

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

Skin corrosion/irritation

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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.

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

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).

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

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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.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

Chemical Safety Assessment

NOTICE: The information herein is present 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 from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, State or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

U.S. REGULATIONS

SARA 313 INFORMATION:

To the best of our knowledge, this product contains no Chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA "Harard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet The following categories:

An immediate health hazard

A delayed health hazard

TOXIC SUBSTANCES CONTROL ACT (TSCA): All

ingredients are on the TSCA Inventory or are not required to be listed on the TSCA inventory.

OSHA HAZARD COMMUNICATION STANDARD: This

Product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA or SUPERFUND): To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

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.