



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome Weed-Out Nutsedge Control

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome Weed-Out Nutsedge Control
Product number	11254
Brand	Ferti-lome

Other means of identification

EPA Reg. No. 279-3427-7401

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
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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 considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (repeated exposure), Cat. 2

GHS label elements, including precautionary statements

Pictograms



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Hazard statement(s)

H332 Harmful if inhaled
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P314 Get medical advice/attention if you feel unwell.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P501 Dispose of contents/container to an approved waste disposal plant
P102 Keep out of reach of children.
P103 Read label before use.

Other hazards which do not result in classification

Harmful to aquatic life

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
1,3-Benzenediamine, 2,6-dinitro-n1,n1-dipropyl-4-(trifluoromethyl)- (CAS no.: 29091-21-2)	2.7 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Sulfentrazone (CAS no.: 122836-35-5)	1.4 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Glycerol (CAS no.: 56-81-5)	1 - 5 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Propylene glycol (CAS no.: 57-55-6; EC no.: 200-338-0)	< 1 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

In case of skin contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further 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 eye. Call a poison control center or doctor for further 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

Treat symptomatically.

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SECTION 5: Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Dry powder. Water spray.

Specific hazards arising from the chemical

None known.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

Environmental precautions

Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.

Methods and materials for containment and cleaning up

Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13

SECTION 7: Handling and storage

Precautions for safe handling

Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store in original container.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Propylene glycol (CAS: 57-55-6 EC: 200-338-0)

TWA (Inhalation): 10 mg/m³; USA (OSHA)

USA. Workplace Environmental Exposure Levels (WEEL)

2. Glycerin (mist) (CAS: 56-81-5)

PEL (Inhalation): PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

3. Glycerin (mist), total dust (CAS: 56-81-5)

PEL (Inhalation): 15 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³ , PNOR (Cal/OSHA)

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OSHA Annotated Table Z-1, www.osha.gov

4. Glycerin (mist), respirable fraction (CAS: 56-81-5)

PEL (Inhalation): 5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment

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

Eye/face protection

If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Skin protection

Wear long-sleeved shirt, long pants, socks, and shoes.

Body protection

Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Liquid
Odor	Not identified
Odor threshold	No information available
pH	6.06
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	> 94 °C / > 201 °F Tag Closed Cup
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	8.68 lb/gal (1.04 g/ml)
Solubility(ies)	No information available
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

Additional properties

Physical state	Liquid
Color	
Explosive properties	No information available

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Oxidizing properties

No information available

SECTION 10: Stability and reactivity

Reactivity

None under normal use conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing

Conditions to avoid

Excessive heat

Incompatible materials

Propylene glycol: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents

Hazardous decomposition products

Propylene glycol: Other decomposition products - Carbon oxides (COx), Nitrogen oxides (NOx), Sulfur oxides, Hydrogen chloride, Hydrogen fluoride.

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral >*** 5000*** mg/kg (rat)***

LD50 Dermal >*** 5000*** mg/kg (rabbit)***

LC50 Inhalation >*** 2.09*** mg/L (rat)*** mg/L (rat)

Skin corrosion/irritation

Slightly irritating (rabbit).

Serious eye damage/irritation

Mildly irritating (rabbit).

Respiratory or skin sensitization

Non-sensitizing.

Germ cell mutagenicity

Mutagenicity Prodiamine, Sulfentrazone: Not genotoxic in laboratory studies.

Carcinogenicity

Carcinogenicity Prodiamine, Sulfentrazone: No evidence of carcinogenicity from animal studies.

Reproductive toxicity

Prodiamine, Sulfentrazone: No toxicity to reproduction in animal studies.

Specific target organ toxicity (STOT) - single exposure

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Not classified

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure. See listed target organs below.

Sulfentrazone: Hematopoietic system.

Prodiamine: In long-term feeding studies with prodiamine, the NOEL was 200 ppm in rats, and 500 ppm in mice. Toxicity was identified in the liver and thyroid of rats at 3200 ppm, where decreased body-weight gains, liver enlargement and alterations, and species specific benign thyroid tumors were seen. At 5000 ppm in mice, both decreased body weight gains and increased liver weights were reported, but no compound related tumors were observed.

Aspiration hazard

No information available

SECTION 12: Ecological information

Toxicity

5.3% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

prodiamine (29091-21-2)

Active Ingredient(s) Duration Species Value Units

Prodiamine LC50 Fish >552 ppb

LC50 Aquatic organisms >658 ppb

Persistence and degradability

Sulfentrazone: Persistent. Does not readily hydrolyze.

Prodiamine: Moderately persistent. Does not readily hydrolyze.

Bioaccumulative potential

Sulfentrazone: The substance does not have a potential for bioconcentration.

Mobility in soil

Sulfentrazone: Mobile, Has potential to reach ground water.

SECTION 13: Disposal considerations

Disposal methods

Packaging disposal

Containers must be disposed of in accordance with local, state and federal regulations.

Refer to the product label for container disposal instructions.

Waste treatment

Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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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: Propylene glycol
CAS number: 57-55-6

Pennsylvania Right To Know Components

Chemical name: 1,2-Propanediol
CAS number: 57-55-6

New Jersey Right To Know Components

Propylene glycol
CAS number: 57-55-6

Pennsylvania Right To Know Components

Propylene glycol
CAS number: 57-55-6

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

Common name: Glycerin
CAS number: 56-81-5

Pennsylvania Right To Know Components

Chemical name: 1,2,3-Propanetriol
CAS number: 56-81-5

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 required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. This product is toxic to marine/estuarine invertebrates.

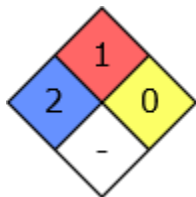
HMIS Rating

Ferti-lome Weed-Out Nutsedge Control	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

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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.