



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome® Weed Out® Pro Turf 25-0-4

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome® Weed Out® Pro Turf 25-0-4
Product number	10928
Brand	Ferti-lome®

Other means of identification

EPA# 2217-913-7401

NPK 25-0-4

Recommended use of the chemical and restrictions on use

Fertilizer and selective 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

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4
- Skin corrosion/irritation, Cat. 2

GHS label elements, including precautionary statements

Pictograms



Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

Hazard statement(s)

H332	Harmful if inhaled
H302	Harmful if swallowed
H315	Causes skin irritation
H312	Harmful in contact with skin

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
P330	Rinse mouth.
P501	Dispose of contents/container to ...
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P102	Keep out of reach of children.
P103	Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
2,4-D 2-ethylhexyl ester (CAS no.: 1928-43-4)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Mecoprop-p [1] and its salts (CAS no.: 16484-77-8; EC no.: 240-539-0; Index no.: 607-434-00-5)	Not specified
CLASSIFICATIONS: Acute toxicity, Cat. 4; Eye damage/irritation, Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 2. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage; H411 - Toxic to aquatic life with long lasting effects.	
Dicamba (CAS no.: 1918-00-9; EC no.: 217-635-6; Index no.: 607-043-00-X)	Not specified
CLASSIFICATIONS: Acute toxicity, Cat. 4; Eye damage/irritation, Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 3. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage; H412 - Harmful to aquatic life with long lasting effects.	
Dithiopyr (CAS no.: 97886-45-8)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Limestone (CAS no.: 1317-65-3; EC no.: 215-279-6)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Silica, crystalline (CAS no.: 14808-60-7; EC no.: 238-878-4)	Not specified
CLASSIFICATIONS: Carcinogenicity, Cat. 1A; Specific target organ toxicity (repeated exposure), Cat. 1. HAZARDS: No data available.	
Ammonium sulfate (CAS no.: 7783-20-2)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Vpg potash (Index no.: 800170)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Urea (CAS no.: 57-13-6)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Xcu coated urea (CAS no.: 57-13-6)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Vpg micromix (Index no.: 800620)	Not specified
CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 1; Toxic to reproduction, Cat. 1B; Specific target organ toxicity (repeated exposure), Cat. 2. HAZARDS: H302 - Harmful if swallowed; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H360 - May damage fertility or the unborn child [effect, route]; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route].	

Safety Data Sheet
Ferti-lome® Weed Out® Pro Turf 25-0-4

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. 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

Water, foam, dry chemical or CO2

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

Specific hazards arising from the chemical

Forms nitrogen oxides, sulphurous oxides and hydrogen chloride gas upon burning.

Limestone: Carbon oxides, Calcium oxide

Special protective actions for fire-fighters

Utilize self-contained breathing apparatus with full face piece operated in pressure demand or other positive mode. Avoid inhalation of fumes and dusts. Wear chemical-resistant gear.

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.

Environmental precautions

Avoid the generation of dusts. Prevent release to sewers or waterways in accordance with all applicable federal, state, and local environmental regulations.

Methods and materials for containment and cleaning up

Sweep up, vacuum the material and transfer to the original container, or to a sealed, labeled container. Residue may be washed away with water. Dispose of in accordance with Federal, State, and local regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid direct contact with eyes and skin. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area in tightly closed containers. Avoid breathing mists or vapors.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Limestone (CAS: 1317-65-3)

PEL [Calcium Carbonate -Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Calcium Carbonate -Total dust] (Inhalation): 10 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Calcium Carbonate -Total dust] (Inhalation): 10 mg/m³; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Calcium Carbonate -Respirable fraction] (Inhalation): 5 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Calcium Carbonate -Respirable fraction] (Inhalation): 5 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Calcium Carbonate -Respirable fraction] (Inhalation): 5 mg/m³; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Limestone -Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

PEL [Limestone -Total dust] (Inhalation): 10 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Limestone -Total dust] (Inhalation): 10 mg/m³; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Limestone -Respirable fraction] (Inhalation): 5 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Limestone -Respirable fraction] (Inhalation): 5 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Limestone -Respirable fraction] (Inhalation): 5 mg/m³; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Marble -Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Marble -Total dust] (Inhalation): 10 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Marble -Total dust] (Inhalation): 10 mg/m³; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Marble -Respirable fraction] (Inhalation): 5 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Marble -Respirable fraction] (Inhalation): 5 mg/m³; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Marble -Respirable fraction] (Inhalation): 5 mg/m³; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

2. Silica, crystalline (CAS: 14808-60-7 EC: 238-878-4)

TLV® (Inhalation): 0.025 mg/m³ (resp.) for α-quartz and cristobalite (ACGIH)

PEL [Quartz: see 1910.1053(m)] (Inhalation): 0.05 mg/m³, (See Sections 1532.3 & 5204); US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Quartz: see 1910.1053(m)] (Inhalation): Ca, 0.05 mg/m³, See Appendix A; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

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

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

Appearance (physical state, color, etc.)	Multi-color mix granules
Odor	Slight Solvent like odor
Odor threshold	No information available.
pH	4.15
Melting point/freezing point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
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	No information available.
Solubility(ies)	Insoluble
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	Solid
Color	Multi-color

SECTION 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable.

Possibility of hazardous reactions

Hazardous Polymerization:
Will not occur.

Conditions to avoid

No information available.

Incompatible materials

Limestone: Strong oxidizing agents

Silica, crystalline : Hydrogen fluoride

Hazardous decomposition products

If burned, nitrogen oxides, sulfurous oxides and hydrogen chloride gas may be formed.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Silica, crystalline

Result: IARC: 1 - Group 1: Carcinogenic to humans (Quartz)

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

NTP: Known to be human carcinogen (Quartz)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Skin corrosion/irritation

Prolonged or repeated skin contact may cause irritation. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Serious eye damage/irritation

Mildly irritating to the eyes. Degree of injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

Respiratory or skin sensitization

Inhalation of high concentrations may result in upper respiratory tract irritation. Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea.

Chronic Overexposure: Inhalation of dust may permanently damage the lungs and results in the development of pneumoconiosis, silicosis, or other respiratory disorders.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Specific target organ toxicity (STOT) - single exposure

No information available.

Specific target organ toxicity (STOT) - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

Toxicity

Silica, crystalline

Result: IARC: 1 - Group 1: Carcinogenic to humans (Quartz)

NTP: Known to be human carcinogen (Quartz)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants.

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

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

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

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

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: 2,4-D 2-ethylhexyl ester

CAS number: 1928-43-4

TRI listing: X-reportable; CERCLA listing: unlisted; TURA-only listing: no; de minimis concentration threshold: 0.1%.

Qualifiers/definitions: This chemical is an OSHA Carcinogen, the 0.1% de minimis threshold applies. Changes:

Added to TURA and TRI RY1995

New Jersey Right To Know Components

Common name: 2,4-D-2-ethylhexyl ester

CAS number: 1928-43-4

Water hazard class (WGK, Germany)

Chemical name: Mecoprop-p [1] and its salts, cas number: 16484-77-8

WGK hazard class: WGK 3 - Extremely hazardous to water

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: 3,6-Dichloro-2-methoxybenzoic acid

CAS number: 1918-00-9

TRI listing: X-reportable; CERCLA listing: X-reportable; TURA-only listing: no; de minimis concentration threshold: 1 percent. Changes: CERCLA chemical added RY1992. Added to TRI RY1995

New Jersey Right To Know Components

Common name: Dicamba

CAS number: 1918-00-9

Pennsylvania Right To Know Components

Chemical name: Benzoic acid, 3,6-dichloro-2-methoxy-

CAS number: 1918-00-9

Listing note: E-environmental hazard.

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Dicamba

CAS number: 1918-00-9

Asterisk: no; Refs: F8

Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Dicamba

CAS number: 1918-00-9

Hlth: development

New Jersey Right To Know Components

Common name: Calcium carbonate

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

CAS number: 1317-65-3

Pennsylvania Right To Know Components

Chemical name: Limestone

CAS number: 1317-65-3

Canadian Non-Domestic Substances List (NDSL)

Chemical name: Limestone

CAS: 1317-65-3

US EPA TSCA public inventory

Chemical name: Limestone

CAS number: 1317-65-3

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Calcium carbonate

CAS number: 1317-65-3

Asterisk: no; Refs: 4

Water hazard class (WGK, Germany)

Chemical name: Limestone, cas number: 1317-65-3

WGK hazard class: nwg - Not hazardous to water

New Jersey Right To Know Components

Common name: Silica, quartz

CAS number: 14808-60-7

Listing note: CA-carcinogen.

Pennsylvania Right To Know Components

Chemical name: Quartz (sio2)

CAS number: 14808-60-7

US EPA TSCA public inventory

Chemical name: Quartz (sio2)

CAS number: 14808-60-7

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Quartz

CAS number: 14808-60-7

Asterisk: no; Refs: 1,2,4 *E*C* F5

Water hazard class (WGK, Germany)

Chemical name: Silica, crystalline , cas number: 14808-60-7

WGK hazard class: nwg - Not hazardous to water

Maine Chemicals of Concern (COC, 38 MRSA §1693(2))

Chemical name: Silica, crystalline (in the form of quartz or cristobalite dust)

CAS number: 14808-60-7

Maine Chemicals of High Concern List (CHC, 38 MRSA §1693-A(1))

Chemical name: Silica, crystalline (in the form of quartz or cristobalite dust)

CAS number: 14808-60-7

Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Silica, crystalline (inhaled in the form of quartz or cristobalite from occupational sources)

CAS number: 14808-60-7

Hlth: cancer

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Ammonium sulfate solution

CAS number: 7783-20-2

TRI listing: unlisted; CERCLA listing: C-reportable as a chemical category; TURA-only listing: no; de minimis concentration threshold: 1 percent. Qualifiers/definitions: Report as part of Ammonia CAS 7664417. Do not report as an individual chemical. Changes: Delisted from TRI and TURA as an individual chemical of RY1994 but ammonia portions still reportable under ammonia

Safety Data Sheet

Ferti-lome® Weed Out® Pro Turf 25-0-4

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid diammonium salt
CAS number: 7783-20-2
Listing note: E-environmental hazard.

US EPA TSCA public inventory

Chemical name: Sulfuric acid ammonium salt (1:2)
CAS number: 7783-20-2

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Ammonium sulfate
CAS number: 7783-20-2
Asterisk: no; Refs: 5 F9

Water hazard class (WGK, Germany)

Chemical name: Ammonium sulfate, cas number: 7783-20-2
WGK hazard class: WGK 1 - Slightly hazardous to water

US EPA TSCA public inventory

Chemical name: Urea
CAS number: 57-13-6

Water hazard class (WGK, Germany)

Chemical name: Urea, cas number: 57-13-6
WGK hazard class: WGK 1 - Slightly hazardous to water

US EPA TSCA public inventory

Chemical name: Urea
CAS number: 57-13-6

Water hazard class (WGK, Germany)

Chemical name: Xcu coated urea, cas number: 57-13-6
WGK hazard class: WGK 1 - Slightly hazardous to water

HMIS Rating

Ferti-lome® Weed Out® Pro Turf 25-0-4	
HEALTH	2
FLAMMABILITY	2
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

Safety Data Sheet
Ferti-lome® Weed Out® Pro Turf 25-0-4

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.