VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet
Ferti-lome Winterizer & Weed Preventer II

SECTION 1: Identification

Product identifier

Product name	Ferti-lome Winterizer & Weed Preventer II
Product number	11901

Other means of identification
EPA Reg. No. 62719-483-7401

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(s)

In the event or 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)
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

GHS label elements, including precautionary statements

Pictogram

Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P264	Wash … thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P321	Specific treatment (see Section 4 on this SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P273	Avoid release to the environment.
P501	Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other hazards which do not result in classification
No data available.

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Nitrogen (CAS no.: 7727-37-9)	**<= 10 %**
Potassium (CAS no.: 7440-09-7; EC no.: 231-119-8; Index no.: 019-001-00-2)	**Not specified**
Dithiopyr (CAS no.: 97886-45-8)	**Not specified**

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.

Most important symptoms/effects, acute and delayed
Symptoms/Injuries: Causes serious eye irritation. Causes skin irritation.
Symptoms/Injuries After Inhalation: Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure. May cause damage to organs through prolonged or repeated exposure.

Indication of immediate medical attention and special treatment needed, if necessary
If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

Specific hazards arising from the chemical
Fire Hazard: Not considered flammable but will burn at high temperatures.
Explosion Hazard: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

Special protective actions for fire-fighters
Precautionary Measures Fire: Do not breathe fumes from fires or vapors from decomposition. Under fire conditions, the product will give off toxic vapors of ammonia and formaldehyde.
Firefighting Instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection During Firefighting: Firefighters must use full bunker gear including NIOSH-approved positive-pressure self-contained breathing apparatus to protect against potential hazardous combustion and decomposition products.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
General Measures: Handle in accordance with good industrial hygiene and safety practice. Do not allow product to spread into the environment. Do not breathe dust. Do not get in eyes, on skin, or on clothing.
For Non-emergency Personnel
Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection. Use appropriate personal protection equipment (PPE).
Emergency Procedures: Ventilate area. Evacuate unnecessary personnel.
For Emergency Responders
Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).
Emergency Procedures: If possible, stop flow of product. Evacuate unnecessary personnel. Ventilate area.

Environmental precautions
Prevent entry to sewers and public waters. Contact competent authorities after a spill.

Methods and materials for containment and cleaning up
For Containment: Contain and collect as any solid.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Utilize a dust suppressant when removing mechanically.

Reference to other sections
See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: Handling and storage

Precautions for safe handling
Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.
Precautions for Safe Handling: Wear recommended personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Use only outdoors or in a well-ventilated area.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities
Technical Measures: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.
Storage Conditions: Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Keep container closed when not in use.
Incompatible Products: Alkalis. Heat sources. Reducing agents. Oxidizers.
Prohibitions On Mixed Storage: Store away from: Ammonium nitrate. Refer to Section 10 on Incompatible Materials.

Specific end use(s)
Herbicide.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: (not specified)

CAS: 7727-37-9
Nitrogen
ACGIH: inhalation

Appropriate engineering controls
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Local exhaust and general ventilation must be adequate to meet exposure standards. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Ensure all national/local regulations are observed.

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

Eye/face protection
Chemical safety goggles

Skin protection
Wear suitable protective clothing.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Multi-colored Solid Granules
Odor	None
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	Melting Point: 65 ºC (149ºF)
Initial boiling point and boiling range	No data available.
Flash point	Not Applicable
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	Water: Partially
Partition coefficient: n-octanol/water	No data available.

Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information
When using, do not eat, drink or smoke.

SECTION 10: Stability and reactivity

Reactivity
Hazardous reactions will not occur under normal conditions.

Chemical stability
Stable under recommended handling and storage conditions (see section 7)

Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to avoid
Protect from moisture. Keep away from heat. Sparks, heat, open flame and other sources of ignition.

Incompatible materials
Alkalis. Heat sources. Reducing agents. Oxidizers.

Hazardous decomposition products
Thermal decomposition generates: Nitrogen oxides. Ammonia. Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Not classified

Dithiopyr (97886-45-8)
LD50 Oral Rat > 5 g/kg
LC50 Inhalation Rat > 6 g/m³ (Exposure time: 4 h)

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or skin sensitization
Not classified

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Not classified

Summary of evaluation of the CMR properties
Not classified

STOT-single exposure
Not classified

STOT-repeated exposure
Not classified

Aspiration hazard
Not classified

Additional information
Symptoms/Injuries After Inhalation: Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

Toxicity
Potassium (7440-09-7)
EC50 Daphnia 1 53.2 mg/l

Persistence and degradability
Fertilizer with Dimension
May cause long-term adverse effects in the environment. This product is water soluble and eventually biodegrades into elemental nitrogen. Excess nitrogen and nitrates in a body of water will contribute to eutrophication with visible effects such as toxic algae bloom.

Bioaccumulative potential
Dithiopyr (97886-45-8)
Log Pow 4.75

Mobility in soil
No data available.

Other adverse effects
Avoid release to the environment.

SECTION 13: Disposal considerations

Disposal of the product
This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Waste treatment
Pesticide: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures. Or call (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain. Container: Do not reuse bag. Dispose of emptied bag(s) in a sanitary landfill approved for pesticide disposal, or by incineration.

Other disposal recommendations
Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

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

New Jersey Right To Know Components
Common name: NITROGEN
CAS number: 7727-37-9

Pennsylvania Right To Know Components
Chemical name: Nitrogen
CAS number: 7727-37-9

New Jersey Right To Know Components
Common name: POTASSIUM
CAS number: 7440-09-7

Pennsylvania Right To Know Components
Chemical name: Potassium
CAS number: 7440-09-7

EPA TSCA Regulatory Flag
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.

Toxic Substances Control Act (TSCA) Inventory
Potassium (7440-09-7) Listed on the United States TSCA

Toxic Substances Control Act (TSCA) Inventory
Nitrogen (7727-37-9) Listed on the United States TSCA

SECTION 16: Other information

No data available.