MATERIAL SAFETY DATA SHEET

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

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, Texas 75418

Ferti-lome® Weed Out Lawn Weed Killer RTS

Effective Date: January 17, 2014

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Ferti-lome® Weed Out Lawn Weed Killer RTS
EPA No.: 2217-695-7401

COMPANY IDENTIFICATION:
Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, TX. 75418

Chemical State: Liquid
Chemical Type: Mixture

NFPA:
Health: 1
Fire: 1
Reactivity: 0

HMIS:
Health: 1
Flammability: 1
Reactivity: 0
Personal Protection: B

2. INGREDIENTS:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
2008391	Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid (2,4-D0	1.91%	N	N	Y	N	N	NI	NI	NI
2300665	Dimethylamine Salt of 3,6-Dichloro-0-anisic acid (Dicamba)	0.81%	N	N	N	N	Y	NI	NI	NI
66423094	Dimethylamine Salt of R(+)2-(2-Mthyl-4-chlorophenoxy) propionic acid (MCPP)	3.33%	N	N	Y	N	N	NI	NI	NI

3. HAZARDOUS IDENTIFICATION:

Hazard Category: ACUTE, CHRONIC

Hazardous Identification Information: The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for carcinogenicity in humans). The US EPA has given the chlorophenoxy herbicides 2,4-D,2,4-DP, MCPP, and MCPA a class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rate and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.

4. FIRST AID MEASURES:

Route(s) of Entry: Contact, inhalation, ingestion.

Health Hazards (Acute and Chronic):

EYES: May be moderately irritating; with burning.

SKIN: May cause moderate dermal irritation.

INHALATION: May cause respiratory irritation; burning.

INGESTION: May irritate gastrointestinal tract.

CHRONIC: Repeated and/or prolonged overexposure may cause chronic irritation of respiratory tract. Overexposure may cause adverse effects to liver, kidneys, skin, and muscular and gastrointestinal systems.

Signs and Symptoms: Burning sensation; coughing, dizziness.

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Medical Conditions Generally Aggravated by Exposure: Asthma or skin lesions may be aggravated by exposure to this product.
Emergency First Aid Procedures:

If in eyes: Flush contaminating chemicals from eyes with large amounts of clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.

If on Skin or Clothing: Take off contaminated clothing. Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse.

Inhalation: Remove victim to fresh air. Administer artificial respiration if necessary. Call a physician. Two-day removal from exposure may be indicated for instances of sever overexposure by inhalation.

Ingestion: Call a physician or Poison Control Center immediately.

Other Health Warnings: NI

5. FIRE FIGHTING MEASURES:

Flash Point: 112°F **F.P. Method:** Closed Cup

Lower explosive Limit: NI
Upper Explosive Limit: NI

Fire Extinguishing Media: Foam, CO2, Dry chemical, Water. The low flash point of this product is due to a minor component in the mixture. Based on independent laboratory testing of similar products, this product would not sustain combustion as specified in DOT Regulation 49 CFR 173 Appendix H, and therefore, would not be classified as a combustible liquid.

Special Fire Fighting Procedures: Wear positive pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion: Burning product may produce irritating or poisonous gases. Runoff from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

6. ACCIDENTAL RELEASE MEASURES:

Steps to be Taken in Case Material is Released or Spilled: Do not touch spilled product. See Section 8 for Personal Protective Equipment. Contain spill and collect for reuse or absorb onto inert absorbent such as Dri-Rite, sand or pet litter. Collect into drums; cover and label drums for reuse or proper disposal. Flush area with water if possible.

7. HANDLING AND STORAGE:

Precautions to be Taken: Store in original container in a locked storage area inaccessible to children and pets. Keep from freezing. Avoid contamination of food or feedstuff.

Other Precautions: NI

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Ventilation Requirements: Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

Personal Protective Equipment:

CAUTION: Harmful if swallowed. Avoid contact with eyes, skin or clothing. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

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PROTECTIVE CLOTHING: Wear long sleeves and pants; chemical-resistant gloves and shoes with socks.

EYE PROTECTION: Safety glasses or goggles are recommended.

RESPIRATORY PROTECTION: If exposure limits may be exceeded, wear a dust/mist filtering respirator (MSHA/NIOSH) approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point: 212°F **Melting Point:** NI

Evaporation Rate (Butyl Acetate=1): <1

Vapor Pressure (mm Hg.): <17@68°F (20°C)

Vapor Density (Air=1): >1

Specific Gravity (H2O=1): 1.01490

Solubility in Water: Soluble

Appearance and Odor: Liquid; amine odor.

Other Information:
PH: 7.0-8.5
Density: 8.45 pounds/gallon
Freezing point: <35°F

10. STABILITY AND REACTIVITY:

Stability: Stable

Incompatibility (Materials to Avoid):
Contamination with acidic materials may ruin product.

Decomposition/By-Products:
In fire conditions, CO, CO2, NOx may be produced. In oxygen-starved conditions of burning, HCI, nitrities, and nitrosamines may form.

Hazardous Polymerization:
Will not occur.

11. TOXICOLOGICAL INFORMATION:

Acute Dermal Toxicity LD50: >2000 mg/kg body weight (rabbit)
Acute Inhalation Toxicity LC50: (4H): 2 mg/l.
Acute Oral Toxicity LD50: >5015 mg/kg (body weight
Primary Skin Irritation: Mild Irritant
Primary Eye Irritation: Moderate Irritant.

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12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL HAZARDS:
This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

13. DISPOSAL CONSIDERATIONS:

PESTICIDE STORAGE: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse this container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION:

Not regulated by DOT or IMDG.
Freight Class: Herbicides, NOI - NMFC #50320

15. REGULATORY INFORMATION:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2) (B)(iii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: 16863 pounds of the formulation which contains 100 pounds of Dimethylamine 2,4-D.

SARA TITLE III:
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None
SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard.
SECTION 313 TOXIC CHEMICALS: Dimethylamine dicamba CAS#2300-66-5

RCRA STATUS: When discarded in its purchased form, this product is a listed RCRA hazardous waste and should be managed as a hazardous waste (40 CFR Part 261.20-24)

16. OTHER INFORMATION:

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a s supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.