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

Effective Date:

Ferti-lome® Weed-Out Broadleaf Weed Control

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT NAME: Ferti-lome® Weed-Out Broadleaf Weed Control
EPA Reg. No.: 2217-657-7401

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

2. HAZARD IDENTIFICATIONS:

Classification
OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute toxicity - Oral Category 4
Acute toxicity - Dermal Category 4
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1
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 rats 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.
Label elements
Emergency Overview
Supplier
PBI Gordon Corporation
1217 West 12th Street
Kansas City, MO 64101
Manufacturer
PBI Gordon Corporation
1217 West 12th Street
Kansas City, MO 64101
Company Name
PBI Gordon Corporation
1217 West 12th Street
Kansas City, MO 64101

Warning
Hazard statements
Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause an allergic skin reaction.

Precautionary Statements - Prevention
• Wash face, hands and any exposed skin thoroughly after handling
• Do not eat, drink or smoke when using this product
• Wear protective gloves/protective clothing/eye protection/face protection
• Avoid breathing dust/fume/gas/mist/vapors/spray

• Contaminated work clothing should not be allowed out of the workplace



Precautionary Statements - Response
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
• If eye irritation persists: Get medical advice/attention
• IF ON SKIN: Wash with plenty of soap and water
• Call a POISON CENTER or doctor/physician if you feel unwell
• Wash contaminated clothing before reuse
• If skin irritation or rash occurs: Get medical advice/attention
• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
• Rinse mouth
Precautionary Statements - Disposal
• Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact
1-877-800-5556 for emergency medical treatment advice.
Other Information

3. COMPOSITION, INFORMATION OF INGREDIENTS:

Chemical Name	CAS No.	Weight-%
2,4-D, dimethylamine salt	2008-39-1	1.65
MCPP DMA Salt	66423-09-4	0.4
Dimethylamine dicamba	2300-66-5	0.18

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES:

First aid measures
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.
Inhalation Remove to fresh air. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.
Self-protection of the first aider Use personal protective equipment as required.
Most important symptoms and effects, both acute and delayed
Symptoms No information available.
Indication of any immediate medical attention and special treatment needed
Note to physicians May cause sensitization of susceptible persons.

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the ferti-lome people

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5. FIRE FIGHTING MEASURES:

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal
decomposition can lead to release of irritating and toxic gases and vapors.
Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.
Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures
Personal precautions Use personal protective equipment as required. Avoid contact with eyes and skin.
Environmental precautions
Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological
information.
Methods and material for containment and cleaning up
Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate
containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material.

7. HANDLING AND STORAGE:

Precautions for safe handling

_____

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.
Conditions for safe storage, including any incompatibilities
Storage Conditions Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Control parameters
Exposure Guidelines
Chemical Name ACGIH TLV OSHA PEL NIOSH IDLH
2,4-D, dimethylamine salt
2008-39-1
TWA: 10 mg/m$_3$ inhalable fraction
S*
TWA: 10 mg/m$_3$ IDLH: 10 mg/m$_3$, TWA: 10 mg/m$_3$
Appropriate engineering controls
Engineering Controls Ensure adequate ventilation, especially in confined areas.
Individual protection measures, such as personal protective equipment
Eye/face protection Tight sealing safety goggles.
Skin and body protection Wear protective gloves and protective clothing.
Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state	Solid		
Appearance	Granules	**Odor**	Odorless
Color	No information available	**Odor threshold**	No information available

Information on basic physical and chemical properties

Property	**Values**	**Remarks • Method**
pH	Not Applicable	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	No information available	
Water solubility	Insoluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Oxidizing properties	No information available	

Other Information

Density	No information available

10. STABILITY & REACTIVITY DATA:

Reactivity
No data available

Chemical stability
Stable.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization
Will not occur.

Conditions to avoid
None known.

Incompatible materials
None known.

Hazardous Decomposition Products
None known.

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11. TOXICOLOGICAL INFORMATION:

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract.

Eye contact Moderately

irritating to the eyes. **Skin Contact**

Moderate skin irritation. **Ingestion**

May cause irritation.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available. **Germ cell mutagenicity** No information available. **Carcinogenicity** No information available.

Reproductive toxicity No information available. **STOT - single exposure** No information available. **STOT - repeated exposure** No information available.

Chronic toxicity Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	96% of the mixture consists of ingredient(s) of unknown toxicity
Oral LD50	> 1600 mg/kg body weight
Dermal LD50	> 2000 mg/kg body weight

12. ECOLOGICAL INFORMATION

Ecotoxicity
96% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Other adverse effects
No information available

13. DISPOSAL CONSIDERATION

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container, unless specified by the manufacturer.
US EPA Waste Number	U240

14. TRANSPORTATION INFORMATION:

DOT
Description
The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

PESTICIDES, NOI, INCLUDING DEFOLIANTS, FUNGICIDES, HERBICIDES, OR INSECTICIDES NMFC 155050-6
In our current available sizes, this product does not qualify as a Hazardous Material.

15. REGULATORY INFORMATION:

U.S. EPA Label Information
EPA Pesticide Registration Number 2217-657
Federal Insecticide, Fungicide, Rodenticide Act Regulations
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:

EPA Pesticide Label
Caution. Keep out of the reach of children. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact
with skin, eyes, or clothing. Wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.

International Inventories

TSCA	Not Listed
DSL/NDSL	Not Listed
EINECS/ELINCS	Not Listed
ENCS	Not Listed
IECSC	Not Listed
KECL	Not Listed
PICCS	Not Listed
AICS	Not Listed

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Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances **IECSC** - China Inventory of Existing Chemical Substances **KECL** - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
2,4-D, dimethylamine salt				X			X		X	X
Dimethylamine dicamba				X		X				X

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Dimethylamine dicamba - 2300-66-5	2300-66-5	0.18	1.0

SARA 311/312 Hazard Categories

Acute health hazard
Yes **Chronic Health Hazard**
No **Fire hazard**
No **Sudden release of pressure hazard**
No **Reactive Hazard**
No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
2,4-D, dimethylamine salt 2008-39-1	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dimethylamine dicamba 2300-66-5	X		

International Regulations

Mexico - Grade Slight risk, Grade

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16. OTHER INFORMATION:

NFPA **Health hazards** 2 **Flammability** 0 **Instability** 0
Physical and Chemical Properties -

HMIS **Health hazards** 2 **Flammability** 0

Physical hazards 0 **Personal protection** X

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of PBI Gordon Corporation's knowledge, information and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text. PBI GORDON CORPORATION MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Each user is also responsible for evaluating the conditions of use and designing the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. PBI Gordon Corporation assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

End of Safety Data Sheet

SAFETY DATA SHEET



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