



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome Weed-Out With Crabgrass Killer

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome Weed-Out With Crabgrass Killer
Product number	11030; 11032; 11032Q
Brand	Ferti-lome

Other means of identification

EPA Reg. No. 2217-896-7401

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

- Causes eye irritation
- Harmful to aquatic life with long lasting effect

Classification of the substance or mixture

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

- Eye damage/irritation, Cat. 2B

GHS label elements, including precautionary statements

Pictograms



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Signal word

Warning

Hazard statement(s)

H317

H320

May cause an allergic skin reaction

Causes eye irritation

Precautionary statement(s)

P261

P272

P280

P302+P352

P321

P333+P313

P363

P501

P264

P305+P351+P338

P337+P313

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

IF ON SKIN: Wash with plenty of water/...

Specific treatment (see ... on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to ...

Wash ... thoroughly after handling.

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.

Other hazards which do not result in classification

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves/eye protection/face protection

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Dma 4 (dow) 49 percent 2,4- d, dimethylamine salt (CAS no.: 2008-39-1)	6.42 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
3,7-Dichloroquinoline-8-carboxylic acid (CAS no.: 84087-01-4; EC no.: 402-780-1; Index no.: 607-186-00-8)	2.13 %
CLASSIFICATIONS: Sensitization, skin, Cat. 1. HAZARDS: H317 - May cause an allergic skin reaction.	
Dimethylamine dicamba (CAS no.: 2300-66-5; EC no.: 218-951-7; Index no.: 607-044-00-5)	0.06 %
CLASSIFICATIONS: Eye damage/irritation, Cat. 2A; Hazardous to the aquatic environment, long-term (chronic), Cat. 3. HAZARDS: H319 - Causes serious eye irritation; H412 - Harmful to aquatic life with long lasting effects.	
Trade secret	2 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

Show this safety data sheet to the doctor in attendance.

If inhaled

Remove to fresh air. If symptoms persist, call a physician.

In case of skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. If symptoms persist, call a physician.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

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If swallowed Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Personal protective equipment for first-aid responders
Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms/effects, acute and delayed

No information available

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 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

No information available.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Further information

In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

void contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas Do not flush into surface water or sanitary sewer system Prevent further leakage or spillage if safe to do so Prevent product from entering drains See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Reference to other sections

Refer to protective measures listed in Sections 7 and 8. See Section 12 for additional ecological information.

SECTION 7: Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate

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ventilation. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers. Keep from freezing.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Dma 4 (dow) 49 percent 2,4- d, dimethylamine salt (CAS: 2008-39-1)

TWA (Inhalation): 10 mg/m³ (ACGIH)

TWA: 10 mg/m³ (US/OSHA)

IDLH: 10 mg/m³ (NIOSH)

TWA: 10 mg/m³ (NIOSH)

2. Trade secret

STEL: 15 ppm (ACGIH)

TWA: 5 ppm (ACGIH)

TWA: 10 ppm (US/OSHA)

TWA: 18 mg/m³ (US/OSHA)

IDLH: 500 ppm (NIOSH)

TWA: 10 ppm (NIOSH)

TWA: 18 mg/m³ (NIOSH)

Appropriate engineering controls

Showers

Eyewash stations

Ventilation systems

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

Eye/face protection

Tight sealing safety goggles

Skin protection

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

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.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)

Liquid

Odor

Mild Sweet

Odor threshold

No information available

pH

8.2

Melting point/freezing point

<35 °F

Initial boiling point and boiling range

212 °F

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Flash point	212 °F
Evaporation rate	< 1
Flammability (solid, gas)	None known
Upper/lower flammability or explosive limits	No data available
Vapor pressure	<17 mm Hg
Vapor density	No information available
Relative density	>1
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No data available
Decomposition temperature	None known
Viscosity	No information available

Additional properties

Physical state	Liquid
Color	Dark Brown

SECTION 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products

May emit toxic fumes under fire conditions. Hydrogen chloride. Nitrogen oxides (NOx). Carbon monoxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Dimethylamine dicamba

LD50 Oral - Rat - 2629 mg/kg

LD50 Skin - Rabbit - 2 g/kg

DMA 4 (DOW) 49 PERCENT 2,4- D, DIMETHYLAMINE SALT

LD50 Oral - Rat - 625 mg/kg

LD50 Skin - Rabbit - 2115 mg/kg

IARC carcinogen

Result: Group 2B

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LD50 Oral - Rat - > 698 mg/kg

LD50 Skin - Rat - > 3900 mg/kg

LC50 Inhalation - Rat - > 4540 ppm 6 h

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LD50 Oral - Rat - > 1658 mg/kg

Skin corrosion/irritation

May cause slight irritation.

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

May cause irritation.

Germ cell mutagenicity

No information available.

Carcinogenicity

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.

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

Harmful to aquatic life with long lasting effects.

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9: 96 h Pseudokirchneriella
subcapitata mg/L EC50

210: 96 h Poecilia reticulata
mg/L LC50 static 111 - 125:

96 h Oncorhynchus mykiss
mg/L LC50 120: 96 h

Oncorhynchus mykiss mg/L
LC50 static 127 - 349: 96 h

Poecilia reticulata mg/L
LC50 semi-static 396: 96 h

Brachydanio rerio mg/L
LC50 static

EC50 = 26.8 mg/L 15 min

88.7: 48 h Daphnia magna

Straus mg/L EC50

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1.01: 72 h Desmododesmus

subspicatus mg/L EC50

59.8: 96 h Pimephales

promelas mg/L LC50 static

41: 96 h Lepomis

macrochirus mg/L LC50

static

610: 24 h Daphnia magna

mg/L EC50

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Other adverse effects

Toxic to fish and invertebrates.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Packaging disposal

Do not reuse

Waste treatment

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

DOT (US)

UN/ID no. UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Hazard class 9

Packing group III

Reportable Quantity (RQ) 2,4-D, dimethylamine salt: RQ (lb)= 1558.00=180 gallons

Special Provisions 8, 146, 173, 335, IB3, T4, TP1, TP29

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, dimethylamine salt), 9, III

IMDG

Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg. UN number UN3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) 9

Packing group III

EmS-No. F-A, S-F

Special Provisions 274, 335, 969

Description ID, N.O.S. (2,4-D, DIMETHYLAMINE SALT), 9, III

SECTION 15: Regulatory information

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

Water hazard class (WGK, Germany)

Chemical name: Dma 4 (dow) 49 percent 2,4- d, dimethylamine salt, cas number: 2008-39-1

WGK hazard class: WGK 2 - Hazardous to water

Water hazard class (WGK, Germany)

Chemical name: 3,7-Dichloroquinoline-8-carboxylic acid, cas number: 84087-01-4

WGK hazard class: WGK 2 - Hazardous to water

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Dimethylamine dicamba

CAS number: 2300-66-5

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

New Jersey Right To Know Components

Common name: Dimethylamine dicamba

CAS number: 2300-66-5

SARA 313 Components

Product name: Ferti-lome Weed-Out With Crabgrass Killer

SARA 311/312 Hazards

Product name: Ferti-lome Weed-Out With Crabgrass Killer

CWA (Clean Water Act)

Product name: Ferti-lome Weed-Out With Crabgrass Killer

Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(401 CFR 302)

Product name: Ferti-lome Weed-Out With Crabgrass Killer

Massachusetts Right To Know Components

Product name: Ferti-lome Weed-Out With Crabgrass Killer

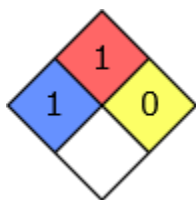
Pennsylvania Right To Know Components

Product name: Ferti-lome Weed-Out With Crabgrass Killer

HMIS Rating

Ferti-lome Weed-Out With Crabgrass Killer	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

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

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