



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Weed & Feed

SECTION 1: Identification

GHS Product identifier

Product name Hi-Yield Weed & Feed

Product number 33408; 34408

Other means of identification

EPA Reg. No. 2217-661-7401

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

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)

- Sensitization, skin, Cat. 1

GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction

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Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Mcpp-p, dma salt (CAS no.: 66423-09-4)	0.32 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Dma 4 (dow) 49 percent 2,4- d, dimethylamine salt (CAS no.: 2008-39-1)	0.18 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Dimethylamine dicamba (CAS no.: 2300-66-5; EC no.: 218-951-7; Index no.: 607-044-00-5)	0.08 %
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.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Remove to fresh air.
In case of skin contact	Take off contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
If swallowed	Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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

Foam. Carbon dioxide (CO2). Dry chemical. Water spray (fog).

Specific hazards arising from the chemical

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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.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. 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.

Reference to other sections

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.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Do not contaminate food or feed stuffs.

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 (Inhalation): 10 mg/m³ (US/OSHA)

[Duplicated fm UID: 5A6BB845ADEF2549BF52A97ED62A139D]

TWA (Inhalation): 10 mg/m³ (NIOSH)

[Duplicated fm UID: EE992F64893CB34CBDA3FCD2E97524B7] - [Duplicated fm UID:

5A6BB845ADEF2549BF52A97ED62A139D]

IDLH (Inhalation): 10 mg/m³ (NIOSH)

[Duplicated fm UID: E6E696B609C7C34DB169ACE3D32F1E9B] - [Duplicated fm UID:

EE992F64893CB34CBDA3FCD2E97524B7] - [Duplicated fm UID: 5A6BB845ADEF2549BF52A97ED62A139D]

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

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

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Wear protective gloves and protective clothing.

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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.)	Granules
Odor	Odorless
Odor threshold	No information available
pH	Not Applicable
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)	No information available
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	

SECTION 10: Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

None known.

Incompatible materials

None known.

Hazardous decomposition products

May emit toxic fumes under fire conditions. Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

Unknown Acute Toxicity - 98% of the mixture consists of ingredient(s) of unknown 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

MCPP-P, DMA salt
IARC carcinogen
Result: Group 2B

Skin corrosion/irritation

Moderate skin irritation.

Serious eye damage/irritation

May cause slight irritation.

Respiratory or skin sensitization

Irritant, moderate respiratory.

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. The table below indicates whether each agency has listed any ingredient as 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

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

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Bioaccumulative potential

No information available.

Other adverse effects

No information available.

SECTION 13: Disposal considerations

Disposal methods

Waste treatment

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

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

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

Japanese Existing and New Chemical Substances (ENCS)

Product name: Hi-Yield Weed & Feed

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Product name: Hi-Yield Weed & Feed

Australian Inventory of Chemical Substances (AICS)

Product name: Hi-Yield Weed & Feed

- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances (EINECS)

Product name: Hi-Yield Weed & Feed

China Inventory of Existing Chemical Substances (IECSC)

Product name: Hi-Yield Weed & Feed

HMIS Rating

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HEALTH	
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	X

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 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.