



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet Hi-Yield® Range and Pasture Dicamba 4

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#### SECTION 1: Identification

##### Product identifier

Product name Hi-Yield® Range and Pasture Dicamba 4

##### Other means of identification

EPA# 81927-55-7401

##### 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 of a medical or chemical emergency contact ChemTel, Inc.  
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

**Warning**

##### Hazard statement(s)

H319  
H303  
H313

Causes serious eye irritation  
May be harmful if swallowed  
May be harmful in contact with skin

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### SECTION 3: Composition/information on ingredients

#### Substances

#### Hazardous components

Component	Concentration
Diamba DMA (CAS no.: 2003-66-5)	40% - 60%

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### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
In case of skin contact	Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a doctor or poison control center if you feel unwell.
In case of eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical attention/advice.
If swallowed	Immediately call a poison control center or doctor. Rinse mouth out and have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Water spray, dry foam, dry chemical or carbon dioxide (CO<sub>2</sub>)

#### Specific hazards arising from the chemical

Thermal decomposition during a fire can produce fumes and irritating gases.

#### Special protective actions for fire-fighters

Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear. Evacuate the area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect fire-extinguishing water to prevent environmental damage with excessive water runoff.

#### Further information

Hazardous Combustion Products: Hydrogen chloride, organochlorine products, and carbon and nitrogen oxides.

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Clean up spills immediately, observing precautions in Section 8 of this SDS. Isolate hazard area. Keep unnecessary personnel from entering.

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### Methods and materials for containment and cleaning up

Small Spills: Contain small spill by diking with a suitable absorbent material. Sweep up absorbed spill and place material in appropriate recovery drums for disposal.

Large Spills: Contain large spills by diking with a suitable absorbent material and recover for disposal. After removal, neutralize the spill area, tools, and equipment with a dilute alkaline solution (soda ash or lime) followed by an appropriate alcohol (methanol, ethanol or isopropanol). Wash the spill area, tools, and equipment with strong soap and water solution. Absorb any excess liquid and add to the recovery drums of waste already collected. Dispose all wastes as described in Section 13.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Keep out of reach of children.

Use only in a well ventilated area. Do not get in eyes or on clothing. Avoid contact with skin.

### Conditions for safe storage, including any incompatibilities

Store in original containers in a well-ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides.

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

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

#### Eye/face protection

Wear protective eyewear (goggles, safety glasses, face shield)

#### Skin protection

Chemical resistant gloves (such as made out of any waterproof material)

#### Body protection

Long-sleeved shirt, long pants, shoes, and socks should be worn.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Transparent dark amber liquid
Odor	Amine
pH	8 – 9
Flammability (solid, gas)	Not flammable
Upper/lower flammability limits	Not determined
Upper/lower explosive limits	Not determined
Solubility(ies)	Miscible in water
Viscosity	5.30 cP @ 25°C; 3.34 cP @ 40°C
Density	1.150 gm/cm <sup>3</sup> @ 25°C; 1.143 @ 40°C

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**SECTION 10: Stability and reactivity**

**Chemical stability**

Stable under all normal use and storage conditions. May decompose if heated.

**Possibility of hazardous reactions**

HAZARDOUS POLYMERIZATION: Will not occur

**Conditions to avoid**

Avoid excessive heat and fire.

**Incompatible materials**

Oxidizing agents and acids.

**Hazardous decomposition products**

Hydrogen chloride, oxides of carbon and nitrogen, and organochlorine products.

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**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

ORAL TOXICITY (rat LD50): > 2,000 mg/kg

DERMAL TOXICITY (rabbit LD50): > 2,000 mg/kg

INHALATION TOXICITY (rat LC50): > 5.0 mg/L (4-hour)

**Skin corrosion/irritation**

Rabbit – Slightly irritating

**Serious eye damage/irritation**

Rabbit – Moderately irritating

**Respiratory or skin sensitization**

Not a contact sensitizer

**Germ cell mutagenicity**

No evidence of mutagenic effects during in vivo and in vitro assays.

**Carcinogenicity**

EPA: Not Listed

ACGIH: Not Listed

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

**Reproductive toxicity**

Not known to cause reproductive or birth defects at normal exposure levels.

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**SECTION 12: Ecological information**

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### Toxicity

Practically non-toxic to fish and aquatic invertebrates. May be toxic to nontarget aquatic plants. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Practically non-toxic to birds, honey bees, and other wildlife.

Dicamba has a low binding affinity in soil and sediment particles and has been detected in groundwater at very low levels below the drinking water levels of concern (DWLOC). Laboratory studies indicate that dicamba is stable to oxidation and hydrolysis, and is somewhat susceptible to photolysis in an aqueous environment. The half-life in surface water under field conditions was < 7 days. In soils, dicamba dissipates more quickly by microbial degradation in aerobic environments, with a half-life typically ranging from 14 to 28 days. Dicamba is more persistent in anaerobic environments with a half-life of 141 days.

#### AQUATIC TOXICITY

Rainbow Trout (96-hr LC50): 1,000 mg/L

Bluegill (96-hr LC50): 1,000 mg/L

Daphnia (48-hr EC50): 1,600 mg/L

#### AVIAN TOXICITY

Mallard Duck (Oral LD50): > 2,510 mg/kg

Mallard Duck (Oral 8-day): > 4,533 ppm

Bobwhite Quail (Oral 8-day): > 4,533 ppm

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## SECTION 13: Disposal considerations

### Disposal of the product

Do not contaminate water, food or feed by disposal.

Triple rinse pesticide from containers and use rinsates in the pesticide application. Wastes which cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

### Disposal of contaminated packaging

Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

### Other disposal recommendations

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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## SECTION 14: Transport information

### DOT (US)

US DOT:

Containers < 119 Gallons (450 Liters):

Not regulated by DOT.

Containers > 119 Gallons (450 Liters):

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (contains Dicamba), 9, PG III

DOT Emergency Response Guide: 171

Marine Pollutant: No

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## SECTION 15: Regulatory information

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### Chemical Safety Assessment

FIFRA –

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. The following is the hazard information as required on the pesticide label:

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, safety glasses, face shield), long sleeved shirt, long pants, shoes, socks and chemical resistant gloves (such as made out of any waterproof material).

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal Instructions.

##### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

This chemical is known to leach through the soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Apply this product only as directed on label.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

Dicamba (CAS #1918-00-9): 41.7%

Dicamba DMA (CAS #2300-66-5): 50.2%

CERCLA Reportable Quantity (RQ) –

Dicamba (CAS #1918-00-9): 1,000 lbs. (250 gallons of product)

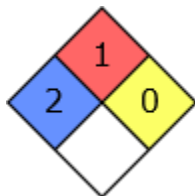
CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### NFPA Rating



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### **SECTION 16: Other information**

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

#### **Further information/disclaimer**

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.