

Conforms to Hazard Communication Standard 29 CFR 1910.1200

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**Section 1 - IDENTIFICATION**

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**Product Identifier:** Spectracide® Weed & Grass Killer Concentrate<sub>2</sub>

**Other Means of Identification:**

Product Code HG-16390HG; HG-26390; HG-36009; HG-36390HD; HG-45777; HG-56009; HG-56201; HG-66001; HG-66001DG; HG-66390; HG-66451; HG-86001; HG-86009; HG-95777; HG-96009; HG-96243; HG-96352; HG-96390; HG-96390W; HG-96451; HG-96489; HG-96529HD; HG-96620; HG-96804; HG-96853

Formula Number 21-1447

EPA Reg. Number 9688-265-8845

**Recommended Use:** Herbicide

**Recommended Restrictions:** Use in accordance with label directions

**Manufacturer/Importer/Supplier/Distributor Information:**

Company Name Spectrum Group, Division of United Industries Corporation

Address PO Box 142642, St. Louis, MO 63114-0642

Telephone Number 1-800-917-5438

**Emergency Telephone Number:**

CHEMTREC (800)424-9300

Medical (800)633-2873

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**Section 2 - HAZARD(S) IDENTIFICATION**

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**Classification of Substance or Mixture:**

Physical Hazard(s) Not classified as a physical hazard  
Health Hazard(s) Skin Irritant - Category 2  
Eye Irritant - Category 2B  
Specific Target Organ Toxicity (Repeated Exposure) - Category 2

**Label Elements:**

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

Causes skin irritation  
Causes eye irritation  
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

Wash hands thoroughly after handling. Wear protective gloves.  
Wash hands thoroughly after handling.  
Do not breathe mist or spray.  
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.  
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 you feel unwell.

Dispose of contents in accordance with all local, state/provincial and federal regulations. For more information see product label.

**Hazard(s) not Otherwise Classified (HNOC):** No additional information available  
**Supplemental Information:** None

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**Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical Name	Synonyms	CAS Number	%
Diquat dibromide	n/a	85-00-7	2.30
Fluazifop-p-butyl	n/a	79241-46-6	1.15
Dicamba, Dimethylamine salt	n/a	2300-66-5	0.77

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

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**Section 4 - FIRST-AID MEASURES**

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**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact:** In case of contact, wash skin with plenty of water for 15 minutes. If skin irritation or redness develops, seek medical attention.

**Eye Contact:** In case of contact, flush eyes with plenty of water for 15 minutes. Remove contact lenses, if worn. If irritation persists, get medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

**Most Important Symptoms/Effects, Acute and Delayed:** Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.

**Indication of Immediate Medical Attention & Special Treatment Needed:** Get medical advice/attention if you feel unwell.

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**Section 5 - FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable Extinguishing Media:** None Known

**Specific Hazards Arising from the Chemical:** Products of combustion may include, and are not limited to: oxides of carbon.

**Special Protective Equipment and Precautions for Firefighters:** Keep upwind of fire. Inhalation of material may be harmful. Contact may cause burns to skin and eyes. Inhalation of Asbestos dust may have a damaging effect on the lungs. Fire may produce irritating, corrosive and/or toxic gases. Some liquids produce vapors that may cause dizziness or suffocation. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

**In Case of Large Fire:** Water spray, fog or regular foam. Do not scatter spilled material with high-pressure water streams. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal.

**Section 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Methods and Materials for Containment and Cleaning Up:** Do not touch or walk through spilled material. Stop leak if you can do it without risk. **Small Liquid Spill:** Pick up with sand or other non-combustible absorbent material and place into containers for later disposal. **Large Liquid Spill:** Dike far ahead of liquid spill for later disposal. Cover powder spill with plastic sheet or tarp to minimize spreading. Prevent entry into waterways, sewers, basements or confined areas.

**Environmental Precautions:** Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

**Section 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling:** Avoid breathing mist. Avoid contact with skin and eyes. Wear protective gloves. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Wash hands thoroughly after handling.

**Conditions for Safe Storage, Including any Incompatibilities:** Keep out of reach of children. Keep container tightly closed. (See section 10).

**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters:**

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Diquat Dibromide	-	-	-	TWA 0.5	-	TWA 0.5, 0.08 respirable
Fluazifop-p-butyl	-	-	STEL 1000	-	-	TWA 0.5

**Appropriate Engineering Controls:** General ventilation should be adequate for all normal use.

**Individual Protective Measures, Such as Personal Protective Equipment:**

Eye/face protection: Avoid eye contact.  
 Skin and body protection: Wear protective gloves. Avoid skin contact.  
 Respiratory protection: None required under normal use conditions.  
 General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance (physical state, color, etc.):</b>	Hazy, light amber to dark brown liquid
<b>Odor:</b>	Sweet and fruity
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	4.0-8.5
<b>Melting / Freezing Point:</b>	No data available
<b>Initial boiling point and range:</b>	No data available
<b>Flashpoint:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	1.014-1.026
<b>Solubility(ies):</b>	Soluble in water
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available

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#### Section 10 - STABILITY AND REACTIVITY

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<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability:</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid:</b>	Heat. Incompatible materials.
<b>Incompatible materials:</b>	None known.
<b>Hazardous decomposition products:</b>	May include, and are not limited to oxides of carbon.

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#### Section 11 - TOXICOLOGICAL INFORMATION

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**Information on the likely routes of exposure:** Inhalation, Ingestion and/or skin or eye contact

**Symptoms related to the physical, chemical and toxicological characteristics:**

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact:	Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact:	Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Acute Toxicity Values:**

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>2000 mg/kg	>5000 mg/kg	>2 mg/l

**Eye Contact:**

This product is an eye irritant.

**Skin Contact:**

This product is a skin irritant.

**Sensitization:**

Based on available data, the classification criteria are not met.

**Chronic Effects-  
Carcinogenicity:**

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.	

**Reproductive Toxicity:**

Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity:**

Based on available data, the classification criteria are not met.

**STOT-single exposure:**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**

May cause damage to kidneys and eyes through prolonged or repeated exposure

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

**Comment:**

All information was generated using the GHS classification criteria for mixtures and test data where available.

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**Section 12 - ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

Per GHS, this product is classified as a category 2 aquatic acute toxicant and a category 2 aquatic chronic toxicant.

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

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**Section 13 - DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all local, state/provincial and federal regulations. For more information see product label.

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**Section 14 - TRANSPORTATION INFORMATION**

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**DOT:** Not Regulated

**IATA:** UN Number: UN3082  
 Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.  
 Technical Name: Fluazifop-p-butyl & Diquat Dibromide

Hazard Class: 9  
Packing Group: III  
Limited Quantity: ≤5L  
Marine Pollutant: Yes

**IMDG:** UN Number: UN3082  
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.  
Technical Name: Fluazifop-p-butyl & Diquat Dibromide  
Hazard Class: 9  
Packing Group: III  
Limited Quantity: ≤5L  
Marine Pollutant: Yes

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### Section 15 - REGULATORY INFORMATION

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#### US EPA Label Information:

**EPA Pesticide Registration Number** 9688-265-8845

#### **Federal Insecticide, Fungicide, Rodenticide Act Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the 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**

**WARNING:** KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

**CAUTION:** Causes skin irritation. Causes moderate eye irritation. Do not get on skin or clothing. Avoid contact with eyes. Wear chemical-resistant gloves made out of any waterproof material. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Wear chemical-resistant gloves made out of any waterproof material.

**USER SAFETY RECOMMENDATIONS:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove clothing and personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**FIRST AID: If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. **If in Eyes:** 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. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5438 for emergency medical treatment advice.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

**STORAGE AND DISPOSAL: Pesticide Storage:** Store this product only in its original container in a secure storage area away from sources of heat or open flame. Protect product from freezing. **Pesticide Disposal and Container Handling:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**EPA TSCA Inventory:** All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**CERCLA Section 103:** Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name &	Chemical RQ	Concentration in	Product RQ
Diquat dibromide 85-00-7	1,000	2.30	43,478

**SARA Hazard Category (311/312):** See OSHA hazards listed in section 2.

**SARA 313:** Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain 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 #	Threshold Value %
Dicamba, Dimethylamine salt	2300-66-5	1.0

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**Disclaimer:** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Section 16 - OTHER INFORMATION**

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