

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Spectracide® Weed & Grass Killer Concentrate₂

Other Means of Identification:

Product Code	HG-56009; HG-66001; HG-96390; HG-96451; HG-96620; 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	(866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

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 dust/fume/gas/mist/vapors/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

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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.

Section 4 - FIRST-AID MEASURES

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.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Treat for surrounding material.
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. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

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:	Contain and/or absorb spill with inert material. Scoop up material and place in a disposable container. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate personal protective equipment (PPE).

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. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

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 ³	ppm	mg/m ³	ppm	mg/m ³
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

Appearance (physical state, color, etc.): Hazy, light amber to dark brown liquid

Odor: Sweet and fruity

Odor Threshold: No data available

pH: 4.0-8.5

Melting / Freezing Point: No data available

Initial boiling point and range: No data available

Flashpoint: No data available

Evaporation Rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: 1.014-1.026
Solubility(ies): Soluble in water
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available

Section 10 - STABILITY AND REACTIVITY

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

Section 11 - TOXICOLOGICAL INFORMATION

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.

Section 12 - ECOLOGICAL INFORMATION

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

Section 13 - DISPOSAL CONSIDERATIONS

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

Section 14 - TRANSPORTATION INFORMATION

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

Section 15 - REGULATORY INFORMATION

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

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.

Section 16 - OTHER INFORMATION

Issue date: December 11, 2018
Revision date: September 5, 2019
Version number: 1.2