

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Spectracide® Weed Stop® For Lawns 4

Other Means of Identification:

Product Code HG-96608; HG-96545
Formula Number 21-0825
EPA Reg. Number 9688-341-8845

Recommended Use: Selective 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 14642 ,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) Acute Inhalation Toxicant -Dust and Mists - Category 4
Eye Irritant - Category 2B

Label Elements:

Hazard Pictogram(s)



Signal Word

Warning

Hazard Statements:

Harmful if inhaled
Causes Eye Irritation

Precautionary Statements:

Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/ doctor if you feel unwell.
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 attention.

Hazard(s) not Otherwise Classified (HNOC): No additional information available

Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
2,4-D, dimethylamine salt	n/a	2008-39-1	0.342%
MCPP-p Dimethylamine salt	n/a	66423-09-4	0.123%
Dimethylamine Dicamba	n/a	2300-66-5	0.032%
Sulfentrazone	n/a	122836-35-5	0.008%

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a

Section 4 - FIRST-AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye Contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Ingestion:	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Most Important Symptoms/Effects, Acute and Delayed:	No information available.
Indication of Immediate Medical Attention & Special Treatment Needed:	Note to physicians: treat symptomatically.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO ₂ , alcohol-resistant foam or water spray.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical:	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.
Special Protective Equipment and Precautions for Firefighters:	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:	Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
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Methods and Materials for Containment and Cleaning Up:

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

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.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling:

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage, Including any Incompatibilities:

Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Do not mix with acidic materials.

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
2,4-D, dimethylamine salt	-	TWA 10	-	TWA 10 (inhalable fraction S*)	-	NIOSH IDHL: 10 TWA: 10
Glutaraldehyde	-	-	0.05	-	-	-

Appropriate Engineering Controls:

Showers, eyewash stations, ventilation systems.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection:

Tight sealing safety goggles. Face protection shield.

Skin and body protection:

Chemical resistant gloves. 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.

General hygiene considerations:

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state,	Brown liquid
Odor:	Amines
Odor Threshold:	No data available
pH:	6.0-9.0
Melting / Freezing Point:	No data available
Initial boiling point and range:	100°C / 212°F
Flashpoint:	>93°C / >200°F
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:	1.003
Solubility(ies):	Infinite
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 data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	May produce gasses HCL, NOx, COx when burning.
Conditions to avoid:	Keep out of reach of children.
Incompatible materials:	Do not mix with acidic materials
Hazardous decomposition products:	None known based on information supplied.

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:	No data available.
Ingestion:	No data available.
Skin contact:	Slightly irritating.
Eye contact:	Mild eye irritation.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>5000 mg/kg (rat)	>5000 mg/kg (rat)	>2.03 mg/L (rat)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
2,4-D, dimethylamine salt 2008-39-1	=625 mg/kg (Rat)	=2115 mg/kg (Rabbit)	-
Dimethylamine dicamba 2300-66-5	=2629 mg/kg (Rat) =1267 mg/kg (Rat)	>2 g/kg (Rabbit)	-
Sulfentrazone 122836-35-5	>2600 mg/kg (Rat)	-	-

Eye Contact: Based on available data, the classification criteria are not met.
Skin Contact: Based on available data, the classification criteria are not met.
Sensitization: Based on available data, the classification criteria are not met.

Chronic Effects-

Carcinogenicity: Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA):
 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.

Chemical Name	ACGIH	IARC	NTP	OSHA
2,4-D, dimethylamine salt 2008-39-1		Group 2B		

IARC (International Agency for Research on Cancer)

Group 2B - possibly Carcinogenic to Humans

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

Chronic Toxicity: Repeated contact may cause allergic reactions in very susceptible persons.
 Avoid repeated exposure.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.
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

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container, unless specified by the manufacturer.

Section 14 - TRANSPORTATION INFORMATION

DOT: Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 9688-341-8845

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

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID: If swallowed: Call a poison control center or doctor immediate for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. Have the product and 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 information.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. 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. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

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 (CAS#)	Hazardous Substances RQs (lb)	Concentration in Product (%)	Reportable Quantity (lb)
2,4-D, dimethylamine salt (2008-39-1)	100	0.342	29,240

SARA Hazard Category (311/312):

Acute health hazard: Yes
 Chronic health hazard: Yes
 Fire hazard: No
 Sudden release of pressure hazard: No
 Reactive hazard: No

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	SARA 313 - Threshold Values %
Dimethylamine dicamba - 2200-66-5	1.0

CWA (Clean Water Act): This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations:

US State Right-to-know Regulations:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dimethylamine dicamba 2300-66-5	X		

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

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