
Section 1 - Product and Company Identification

Product Identifiers:

Product Name: Spectracide Weed & Grass Killer Concentrate₂
EPA Registration Number: 9688-265-8845
Product Use: Herbicide Concentrate

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: Chemsico
Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 63114-0642

For product information or medical emergencies: 1-800-917-5438

Section 2 - Hazards Identification


Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture:

Physical Hazards GHS Classification Not classified as a physical hazard

Health Hazards GHS Classification Primary Eye Irritant – Category 2B
Primary Skin Irritant – Category 2

GHS Label Elements:

Hazard pictogram(s): 

Signal word: WARNING

Hazard statements:

- Causes skin irritation
- Causes eye irritation

Precautionary Statements:

- Wear chemical resistant gloves made out of waterproof material. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. If on skin: Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Take off contaminated clothing and wash before reuse.
- Wear eye protection/face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS#	Weight Percent
Diquat dibromide	85-00-7	2.30%
Fluazifop-p-butyl	79241-46-6	1.15%
Dicamba	2300-66-5	0.77%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

Section 4 - First Aid Measures

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. Call a poison control center or doctor for treatment advice.
Skin contact:	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.
Inhalation:	No special requirements
Ingestion:	No special requirements
Notes to physician:	None
General advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties:	Not flammable by OSHA criteria.
Suitable extinguishing media:	Water fog, foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions:	Remove all sources of ignition. Wear personal protective equipment. Wash thoroughly after handling.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and	

cleaning up: Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Take measures to prevent the buildup of electrostatic charge. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.

Storage: Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

Components with Occupational Exposure Limits							
		Exposure Limits					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Diquat dibromide	TWA	Not listed		Not listed		Not listed	
Fluazifop-p-butyl	TWA	Not established		Not established		-----	0.5
Dicamba	TWA	Not established		-----	0.5	-----	0.5

Engineering controls: General ventilation normally adequate.

Personal protective equipment:

Eye/Face protection: During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications. Use protective gloves when using product.

Skin and body protection: Wear chemical resistant gloves made out of any waterproof material.

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance: Clear

Color:	Amber
Physical state:	Liquid
Odor:	Amine (slight)
Odor threshold:	No data available
pH:	6.0
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	>200° F
Evaporation rate:	No data available
Flammability limits in air, lower, % by volume:	No data available
Flammability limits in air, upper, % by volume:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density @ 20°C:	1.02
Octanol/water coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Solubility:	Soluble in water
% Volatile organic compounds:	1 (as packaged)

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Do not mix with other chemicals.
Incompatible materials:	Avoid strong oxidizers.

Chemical stability

Product stability:	Stable under recommended storage conditions.
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Other

Hazardous decomposition products:	None known
Possibility of hazardous reactions:	Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation:	Causes moderate eye irritation (EPA tox. category III)
Primary skin irritation:	Causes skin irritation (EPA tox. category II)
Acute dermal:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)
Acute inhalation:	LC ₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral:	LD ₅₀ > 2000 mg/kg (EPA tox. category III)
Sensitization:	Not a skin sensitizer.

Chronic effects:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive effects:	No data available
Teratogenicity:	No data available
Ecotoxicity:	No data available

Section 12 - Ecological Information

Environmental effects:	No data available
Aquatic toxicity:	Toxic to aquatic organisms.
Persistence / degradability:	No data available
Bioaccumulation / accumulation:	No data available
Partition coefficient:	No data available
Mobility in environmental media:	No data available
Chemical fate information:	No data available

Section 13 - Disposal Considerations

Waste codes:	Not available
Disposal instructions:	Dispose in accordance with all applicable regulations.
Waste from residues/unused products:	Not available
Contaminated packaging:	Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT):	Not regulated
IATA:	
<i>For quantities < 5kg/5L ship as:</i>	Not regulated
<i>For quantities ≥ 5kg/5L ship as:</i>	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Fluazifop-p-butyl), Limited Quantity, 9, III
IMDG:	
<i>For quantities < 5kg/5L ship as:</i>	Not regulated
<i>For quantities ≥ 5kg/5L ship as:</i>	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Fluazifop-p-butyl), Limited Quantity, 9, III

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA) :	No
CERCLA (Superfund) reportable quantity:	Not available

Hazard Categories

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 302 extremely hazardous Substance:

No

Section 311 hazardous chemical:

No

Clean Air Act (CAA):

Not available

Clean Water Act (CWA):

Not available

State regulations:

None

FIFRA labeling: 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 non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word: WARNING

Precautionary statements:

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 or using the toilet. Remove and wash contaminated clothing before reuse.

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

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

HMIS ratings: Health Hazard 1 Fire Hazard 0 Reactivity 0

Item number(s): HG-56009; HG-56201; HG-66001; HG-66451; HG-95777; HG-96009; HG-96024; HG-96243; HG-96390; HG-96451; HG-96489; HG-96620

Formula number(s): 21-1447

Issue date: 2/17/2016

Prepared by: Spectrum Group
Division of United Industries Corp.

P.O. Box 142642
St. Louis, MO 63114-0642
(800) 242-1166

Section 1 - Product and Company Identification

Product Identifiers:

Product Name: Spectracide Weed & Grass Killer₃
EPA Registration Number: 9688-293-8845
Product Use: Herbicide Ready-to-Use - Non-selective

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: Chemsico
Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 63114-0642
For product information: 1-800-917-5438
For medical emergencies: 1-800-633-2873

Section 2 - Hazards Identification

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture:

Physical Hazards GHS Classification Not classified as a physical hazard
Health Hazard GHS Classification Primary Eye Irritant – Category 2B

GHS Label Elements:

Hazard pictogram(s): None
Signal word: WARNING
Hazard statements: • Causes eye irritation

Precautionary Statements:

• Wash hands thoroughly with soap and water after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS#	Weight Percent
Diquat dibromide	85-00-7	0.12%
Fluazifop-p-butyl	79241-46-6	0.06%
Dicamba, dimethylamine salt	2300-66-5	0.04%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

Section 4 - First Aid Measures

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. Call a poison control center or doctor for treatment advice.
Skin contact: No special requirements

Inhalation:	No special requirements
Ingestion:	No special requirements
Notes to physician:	None
General advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties:	Not flammable by OSHA criteria.
Suitable extinguishing media:	Water fog, foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions:	Remove all sources of ignition. Wear personal protective equipment. Wash thoroughly after handling.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and cleaning up:	Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling:	Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Take measures to prevent the buildup of
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electrostatic charge. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.

Storage:

Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

Components with Occupational Exposure Limits							
		Exposure Limits					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Diquat dibromide	TWA	Not listed		Not listed		Not listed	
Fluazifop-p-butyl	TWA	Not established		Not established		-----	0.5
Dicamba, dimethylamine salt	TWA	Not established		-----	0.5	-----	0.5

Engineering controls:

General ventilation normally adequate.

Personal protective equipment:

Eye/Face protection:

During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.

Skin and body protection:

Wash hands after application. Wear long-sleeved shirt, long pants, shoes and socks.

Respiratory protection:

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance:

Clear

Color:

Amber

Physical state:

Liquid

Odor:

Mild aromatic solvent

Odor threshold:

No data available

pH:

5.0 – 8.5

Melting point:

No data available

Freezing point:

No data available

Boiling point:

No data available

Flash point:

>200° F

Evaporation rate:

No data available

Flammability limits in air,

lower, % by volume:	No data available
Flammability limits in air, upper, % by volume:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density @ 20°C:	1.004
Octanol/water coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Solubility:	Soluble in water
% Volatile organic compounds:	0

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Do not mix with other chemicals.
Incompatible materials:	Avoid strong oxidizers.

Chemical stability

Product stability:	Stable under recommended storage conditions.
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Other

Hazardous decomposition products:	None known
Possibility of hazardous reactions:	Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation:	Causes moderate eye irritation (EPA tox. category III)
Primary skin irritation:	Non-irritating (EPA tox. category IV)
Acute dermal:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)
Acute inhalation:	LC ₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)
Sensitization:	Not a skin sensitizer.
Chronic effects:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive effects:	No data available
Teratogenicity:	No data available
Ecotoxicity:	No data available

Section 12 - Ecological Information

Environmental effects:	No data available
Aquatic toxicity:	Toxic to aquatic organisms.
Persistence / degradability:	No data available

Bioaccumulation / accumulation:	No data available
Partition coefficient:	No data available
Mobility in environmental media:	No data available
Chemical fate information:	No data available

Section 13 - Disposal Considerations

Waste codes:	Not available
Disposal instructions:	Dispose in accordance with all applicable regulations.
Waste from residues/unused products:	Not available
Contaminated packaging:	Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT):	Not regulated
IATA:	
<i>For quantities < 5kg/5L ship as:</i>	Not regulated
<i>For quantities ≥ 5kg/5L ship as:</i>	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Fusilade), Marine Pollutant, Limited Quantity, 9, III
IMDG:	
<i>For quantities < 5kg/5L ship as:</i>	Not regulated
<i>For quantities ≥ 5kg/5L ship as:</i>	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Fusilade), Marine Pollutant, Limited Quantity, 9, III

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):	No
CERCLA (Superfund) reportable quantity:	Not available

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 302 extremely hazardous Substance: No

Section 311 hazardous chemical: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Not available

State regulations: None

FIFRA labeling: 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 non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word: CAUTION

Precautionary statements: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes and gloves.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

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

HMIS ratings: Health Hazard 1 Flammability 0 Physical Hazard 0

Item number(s): HG-96371

Formula number(s): 21-1454

Issue date: 2/29/2016

Prepared by: Spectrum Group
Division of United Industries Corp.
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