

Conforms to Hazard Communication Standard 29 CFR 1910.1200

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**Section 1 - IDENTIFICATION**

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**Product Identifier:** Vigoro Ready-to-Spray Weed & Feed 20-0-0

**Other Means of Identification:**

Product Code HG-52511; HG-72511  
Formula Number 21-0776  
EPA Reg. Number 9688-140-8845

**Recommended Use:** Herbicide and Fertilizer

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

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

Company Name Spectrum Group, Division of United Industries  
Address PO Box 142642, St. Louis, MO 63114-0642  
Telephone Number 1-800-332-5553

**Emergency Telephone Number:**

CHEMTREC (800)424-9300  
Medical (866)823-2749

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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) Acute Dermal Toxicant - Category 4  
Acute Inhalation Toxicant (Dust and Mists) - Category 4  
Eye Irritant - Category 2B

**Label Elements:**

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

Harmful in contact with skin  
Harmful if inhaled  
Causes eye irritation

Precautionary Statements:

Wear protective gloves and clothing.  
Avoid breathing mist, vapors, or spray. Use only outdoors or in a well-ventilated area.  
Wash hands thoroughly after handling.  
If on skin: Wash with plenty of water. Call a poison center/doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse.  
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.  
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	%
2,4-D, dimethylamine salt	n/a	2008-39-1	3.25
Mecoprop-p dimethylamine salt	n/a	66423-09-4	1.63
Dichlorprop-p, dimethylamine salt	n/a	104786-87-0	1.61

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. If skin irritation or redness develops, seek medical attention.

**Eye Contact:** In case of contact, flush eyes with plenty of water 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. Immediately 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:** If in eyes or swallowed immediately call a poison control center or doctor.

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**Section 5 - FIRE-FIGHTING MEASURES**

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**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).

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**Section 6 - ACCIDENTAL RELEASE MEASURES**

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**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. Wear eye protection and protective gloves and clothing. Wash hands 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>
2,4-D, dimethylamine salt	-	TWA 10	-	TWA 10 (inhalable fraction S*)	-	NIOSH IDLH 10, TWA 10

**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 and clothing.
- Respiratory protection: Use only outdoors or in a well-ventilated area.
- 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.):** Clear brown to black liquid
- Odor:** No data available
- Odor Threshold:** No data available
- pH:** 8.4-9.4
- Melting / Freezing Point:** No data available
- Initial boiling point and range:** 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>	1.157-1.177
<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:	May cause 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)
>5000 mg/kg	>2000 mg/kg	>3.2 mg/l

**Eye Contact:** This product is an eye irritant.

**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		
MCPP-p dimethylamine salt 66423-09-4		Group 2B		
DCPP-p, dimethylamine salt 104786-87-0		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.

**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 an aquatic chronic toxicant, category 3.

**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:** Not Regulated  
**IMDG:** Not Regulated

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**Section 15 - REGULATORY INFORMATION**

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**US EPA Label Information:**

**EPA Pesticide Registration Number** 9688-140-8845

**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 absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes and gloves. Remove and wash contaminated clothing before reuse.

**FIRST AID: 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. **If on Skin or on 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 Swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Control Center or doctor. Do not give anything by mouth to an unconscious person. **If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further 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 call 1-800-917-5438 for emergency medical treatment advice.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic invertebrates and may adversely affect nontarget plants. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas. 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. 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.

**STORAGE AND DISPOSAL:** **Storage:** Store in a cool, dry area away from heat or open flame. **Disposal:** If empty: Nonrefillable container. Do not reuse or refill this container. 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 & CAS Number	Chemical RQ (lbs)	Concentration in Product	Product RQ (lbs)
2,4-D, dimethylamine salt 2008-39-1	100	3.25%	3,077

**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 not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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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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