



# SAFETY DATA SHEET

## 1. Product Identification:

### Product Name: CANON DICAMBA HERBICIDE

**Manufacturer:** Repar Corporation  
**Telephone:** 202-223-1424  
**Address:** P.O. Box 4321  
**City, State, Zip:** Silver Spring, MD 20914  
**Emergency Phone:** 202-223-1424 (Monday-Friday, 10:00 a.m. – 6:00 p.m.)  
**24 Hour Emergency Phone (CHEMTREC):** 1-800-424-9300  
**U.S. EPA Registration No.:** 69361-44  
**Product Use:** Herbicide

## 2. Health Hazard(s) Identification:

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Amber liquid.

**HEALTH HAZARDS:** CAUTION! Severe eye irritant, permanent eye injury possible. Harmful if swallowed.

**PHYSICAL HAZARDS:** May release toxic fumes if burned.

**ENVIRONMENTAL HAZARDS:** Dicamba is phytotoxic to many non-target terrestrial plant species.



## 3. Composition/Ingredient Information:

### Chemical Names:

Active Ingredient:	CAS Number	Percentage by Weight
3,6-dichloro-o-anisic acid	1918-00-9	49.77%

### Common Name of Active Ingredient:

Dicamba	1918-00-9	49.77%
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### Other Ingredients:

Other Ingredients	N/A	50.23%
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\*Other ingredients identity is confidential business information

## 4. First Aid Measures:

### If Swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have a person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information call: 1-(866)-359-5660**

**NOTE TO PHYSICIAN:** No specific antidote, treat symptomatically.

## 5. Fire Fighting Measures:

**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical, CO<sub>2</sub>

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Combustion may yield steam, Dicamba amine salt, hydrogen chloride, organochloride products, oxides of nitrogen, carbon monoxide.

**SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS:** Fire fighters should wear self contained breathing apparatus and turnout gear. Do not allow fire fighting water to escape into waterways or sewers.

## 6. Accidental Release Measures:

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

**PERSONAL PRECAUTIONS:** Follow protective measures indicated in Section 8: Exposure Control/Personal Protection for both emergency and non emergency personnel.

**ENVIRONMENTAL PRECAUTIONS:** Open dumping is prohibited.

### METHODS FOR CLEANING UP:

**SMALL SPILL:** Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate chemical waste for disposal. Rinse area with water and place rinsate in chemical waste container for disposal.

**LARGE SPILL:** Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow any absorbed material to solidify, and scrape up for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

## 7. Handling and Storage:

### HANDLING AND STORAGE PRECAUTIONS:

**HANDLING:** Handle with care to prevent unintentional release. Use only in well-ventilated area. Do not reuse this container.

**STORAGE:** Store product in original container only. Keep container closed when not in use. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in well ventilated dry area, away from heat. Keep from freezing.

## 8. Exposure Control/Personal Protection:

**EXPOSURE GUIDELINES:** Occupational exposure limit (OEL) and biological limit values (BLV) for Dicamba – CAS No.: 1918-00-9 not established, control banding approach not available.

**APPROPRIATE ENGINEERING CONTROLS:** Use sufficient ventilations to avoid the buildup of vapors.

**WORK/HYGIENE PRACTICES:** Emergency shower and eyewash facilities should be in close proximity (ANSI Z358.1). Launder contaminated clothing and wash hands and face after use. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

The following personal protective equipment should be used in conjunction with exposure control measures

**EYE/FACE PROTECTION:** Protective eyewear

**SKIN PROTECTION:** Long-sleeved shirt, long pants, and shoes plus socks

**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator, following manufacturer's recommendations, should be used as a precautionary measure where airborne contaminants may occur. (OSHA Standard 29 CFR 1910. 134).

**HAND PROTECTION:** Chemical-resistant gloves

## 9. Physical & Chemical Properties:

<b>APPEARANCE:</b>	Amber liquid
<b>ODOR:</b>	Mild amine odor
<b>ODOR THRESHOLD:</b>	ND
<b>pH:</b>	7-8
<b>MELTING POINT:</b>	NA
<b>BOILING POINT:</b>	212°F (100°C)
<b>FLASH POINT:</b>	ND
<b>EVAPORATION RATE:</b>	ND
<b>FLAMMABILITY (solid, gas):</b>	Not flammable
<b>LOWER FLAMMABILITY LIMIT:</b>	ND
<b>UPPER FLAMMABILITY LIMIT:</b>	ND
<b>VAPOR PRESSURE:</b>	18 mmHg @ 68°F (20°C)
<b>VAPOR DENSITY:</b>	>1.0 (Air=1)
<b>RELATIVE DENSITY (H<sub>2</sub>O = 1):</b>	1.16 g/cm <sup>3</sup>
<b>SOLUBILITY:</b>	Fully soluble in water.
<b>PARTITION COEFFICIENT (n-octanol/water):</b>	NA
<b>AUTO-IGNITION TEMPERATURE:</b>	ND
<b>DECOMPOSITION TEMPERATURE:</b>	ND
<b>VISCOSITY:</b>	ND

## 10. Stability & Reactivity:

**REACTIVITY:** May decompose if heated

**STABILITY:** Stable under normal storage conditions.

**HAZARDOUS REACTIONS:** None known, does not polymerize.

**CONDITIONS TO AVOID:** None known

**INCOMPATIBLE MATERIALS:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** In a fire, steam, dicamba amine salt, hydrogen chloride, organochloride products, oxides of nitrogen, or carbon monoxide can be formed.

## 11. Toxicological Information:

### Toxological Data for Cannon Dicamba Herbicide:

Oral LD <sub>50</sub> (rat):	2,629 mg/Kg bw
Dermal LD <sub>50</sub> (rabbit):	>2000 mg/Kg bw
Inhalation LC <sub>50</sub> (rat):	5.4 mg/L
Skin irritation (rabbit):	Causes skin irritation
Skin sensitization:	Dermal sensitizer
Eye irritation (rabbit):	Causes eye irritation
Specific target organ toxicity (STOT):	
STOT-single exposure:	ND
STOT-repeated exposure:	ND
Aspiration hazard:	ND

### ROUTES OF EXPOSURE:

**INGESTION:** harmful if swallowed

**ADVERSE EFFECTS AND SYMPTOMS:** ND

**DELAYED OR IMMEDIATE EFFECTS FROM SHORT OR LONG TERM EXPOSURE:** ND

**NUMERICAL MEASURES OF TOXICITY:** ND

**INTERACTIVE EFFECTS:** ND

### Toxological Data for Dicamba Technical:

Mutagenicity:	Not mutagenic
Carcinogenicity:	Not carcinogenic
Reproductive Toxicity:	Not reproductive toxicant

## 12. Ecological Information:

### Ecological Data for Dicamba Technical:

96 h LC <sub>50</sub>	Rainbow trout	135 ppm
96 h LC <sub>50</sub>	Bluegill sunfish	135 ppm
48 h LC <sub>50</sub>	Daphnia	110 mg/L
8 day LD <sub>50</sub>	Bobwhite quail	>10000 mg/kg diet
8 day LD <sub>50</sub>	Mallard Ducks	>10000 mg/kg diet
LD <sub>50</sub>	Honey bee	>100µg/bee

**PERSISTENCE AND DEGRADABILITY:** ND

**BIOACCUMULATIVE POTENTIAL:** ND

**MOBILITY IN SOIL:** ND

## 13. Disposal Considerations:

Do not contaminate water, food, or feed by disposal.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by disposal. Open dumping is prohibited. Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency of the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER DISPOSAL:

**Nonrefillable container 5 gallons or less:** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling, if available.

**Residue Removal:** Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refillable containers up to 250 gallons or less:** This is a refillable container. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. Reseal and return the container to the point of purchase or to a designated location named at the time of purchase of this product. DO NOT REUSE CONTAINER FOR ANY OTHER PURPOSE. If not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling. Disposal of this container must be in compliance with state and local regulations.

## 14. Transport Information:

### SHIPPING DESCRIPTION:

(Ground transport)

< 250 gallons – Not regulated by USDOT

≥ 250 gallons – UN3082, Environmentally hazardous substances, Liquid, N.O.S. (dicamba), 9, PG III, RQ (dicamba)

**DOT HAZARD CLASS:** Environmentally hazardous substance. Liquid, N.O.S.

**IDENTIFICATION NUMBER:** UN3082

**DOT PACKING GROUP:** PG III

## 15. Regulatory Information:

This chemical is a pesticide product registered with the U.S. 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 labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

### CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## 16. Other Information:

HMIS HAZARD RATING	HEALTH	2
	FLAMMABILITY	0
	PHYSICAL HAZARD	1
	4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

**DISCLAIMER:** The information presented herein is based on available data from reliable sources and is correct to the best of Repair's knowledge. Repair makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling.

It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

**REVISED DATE:** September 20, 2016

**REFERENCE:** Revised for GHS compliance