

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be consulted  
for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**  
**Bonide Poison Oak & Ivy Killer Ready to Use**

**ID # 22175374**

Date: September 15, 2011

**Section I**

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

(800) 424-9300  
(315) 736-8231

**Section II - Hazardous Ingredients/Identity**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH	TLV	Other Limits	% (Optional)
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid					.60 %
Dimethylamine Salt of 2(2-methyl-4-chlorophenoxy) propionic acid					.14%
Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid)					.07%

**EMERGENCY OVERVIEW:**

CAUTION: May be Harmful if swallowed. Avoid contact with eyes, skin or clothing. May cause skin irritation.

**Section III - First Aid**

**EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call physician if irritation persists

**SKIN:** Remove contaminated clothing and wash with soap and water immediately. Obtain medical attention if irritation persists.

**INHALATION:** Remove to fresh air. If breathing is difficult or if any discomfort persists, obtain medical attention.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never 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 to for treatment.**

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:** Skin exposure may aggravate existing skin conditions. Exposure to mist may aggravate existing respiratory conditions.

**Section IV - Fire/Explosion Hazard Data**

**FLASHPOINT:** N/A aqueous solution

**EXTINGUISHING MEDIA:** Foam, CO2, Dry Chemical, Water

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**SPECIAL FIRE FIGHTING PROCEDURES:** Isolate fire area. Evacuate downwind residents and all areas where fire seriously threatens the product containers. Wear full protective clothing including rubber boots, neoprene gloves and self-contained breathing apparatus. Attempt to keep containers cool. Do not breathe or contact smoke or vapors.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen oxides. Contain the run-off, if possible, for proper disposal.

**Section V – Accidental Release Measures**

**PRECAUTIONS:** Avoid prolonged contact with spilled material.

**SPILL OR LEAK:** Isolate and post spill area. Wear prescribed protective clothing and equipment. Keep material out of streams and sewers. Contain and absorb spilled material with a solid absorbent such as sand, cat litter, commercial clay or other suitable absorbent. Place in an approved drum and dispose of material following the method outlined below under "Waste Disposal". To decontaminate spill area, tools and equipment, wash with a suitable solution (e.g. detergent, bleach or caustic) and dispose of solution following the method outlined below under "Waste Disposal".

## Section VI - Storage and Handling

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STORAGE: Keep in a cool, dry place. Avoid temperature extremes. Store in original container in a locked area, inaccessible to children and pets. Keep from freezing. Do not allow cross-contamination of pesticides, fertilizers, seeds, feed or food.

HANDLING PRECAUTIONS: Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Launder clothes separately.

OTHER PRECAUTIONS: Pesticide wastes are toxic. Do not contaminate water supplies with rinsate from equipment cleaning or spill clean-up. Do not apply this product when it may drift from the target area. Do not apply directly to water.

## Section VII – Personal Protection Equipment

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EYE PROTECTION: Safety goggles with side shields or safety goggles.

PROTECTIVE CLOTHING: Wear long sleeves and pants; chemical-resistant gloves and shoes.

VENTILATION REQUIREMENTS: Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

## Section VIII - Physical/Chemical Ingredients

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BOILING POINT: >212°F

pH: 7.5 – 8.5

Freezing Point: 32°F

SOLUBILITY IN WATER: Infinite

VAPOR PRESSURE (mm Hg): equal to water

EVAPORATION RATE (Butyl Acetate=1): NI

SPECIFIC GRAVITY: 1.09 -1.01

APPEARANCE: Blue Liquid

MELTING POINT: N/A

ODOR: slight amine odor

VAPOR DENSITY (AIR=1): NE

## Section IX– Stability & Reactivity Data

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STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers or acids

CONDITIONS TO AVOID (INCOMPATIBILITY): Heat and fire. Thermal decomposition and burning may produce toxic by-products.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: In fire conditions, CO, CO<sub>2</sub>, NO<sub>x</sub>, HCl may be produced.

## Section X– Toxicological Information

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CHRONIC HEALTH EFFECTS: Chronic overexposure to dicamba may cause liver changes or a decrease in body weight. The EPA's Science Advisory Panel has given dicamba a class D classification (not classifiable as to human carcinogenicity). Animal tests with dicamba have not shown carcinogenic, terato-genic or other reproductive effects with the exception of slightly reduced fetal body weights and post implantation losses reported at the Maximum Tolerated Dose level. The available evidence on MCPA and triclopyr indicate that they do not pose a carcinogenic or mutagenic risk.

## Section XI – Ecological Information

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This product is toxic to aquatic invertebrate. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. This product may be toxic to fish and other wildlife. Do not contaminate water with this product.

## Section XII - Disposal Information

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CONTAINER DISPOSAL: Wrap in paper and place in trash.

WASTE DISPOSAL: Open dumping or burning of this material is prohibited. An acceptable method of disposal is to burn in an incinerator in accordance with all local, state and federal environmental laws, rules, standards and regulations. Because acceptable methods of disposal may vary by location and because regulatory requirements.

## Section XIII– Transportation Information

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For packages less than 37 gallons this product is Non Regulated.

For packages 37 gallons or greater:

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (2,4-D), 9, PG III

## Section XIV- Regulatory Information

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TSCA Status: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA Reportable Quantity: Liquid by formulation which contains 100 pounds of Dimethylamine 2,4-D.

## **Section XV - Additional Information/Hazards**

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NOTICE: This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

**KEEP OUT OF REACH OF CHILDREN**

### **ABBREVIATION KEY**

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N/A: NOT AVAILABLE OR APPLICABLE      N/E: NOT ESTABLISHED      ND: Not Determined  
TLV: THRESHOLD LIMIT VALUE      TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY  
STEL: SHORT TERM EXPOSURE LIMIT      D.O.T.: DEPARTMENT OF TRANSPORTATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.