

# MATERIAL SAFETY DATA SHEET



DATE PREPARED: 04/19/2004  
MSDS No: 7198

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ORTHO® Weed B Gon® MAX™  
**PRODUCT DESCRIPTION:** Herbicide

### MANUFACTURER

The ORTHO Group  
P.O. Box 190  
Marysville, OH 43040

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**Emergency Phone:** 1-800-225-2883

**EPA REG. NO.:** 239-2682 **PN:** 7084

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u>           | <u>Wt. %</u> | <u>CAS#</u> |
|--------------------------------|--------------|-------------|
| Mecoprop-p, dimethylamine salt | 0.22         | 66423-09-4  |
| 2,4-D, dimethylamine salt      | 0.12         | 2008-39-1   |
| Dicamba, dimethylamine salt    | 0.05         | 2300-66-5   |
| Other Ingredients              | 99.61        |             |

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** CAUTION - Avoid contact with eyes, skin, or clothing. - Wash thoroughly with soap and water after handling. - KEEP OUT OF REACH OF CHILDREN

### POTENTIAL HEALTH EFFECTS

**EYES:** No adverse eye effects are expected from product contact.

**SKIN:** This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic. See Toxicological Information, Section 11.

**INGESTION:** If swallowed, this substance is considered practically non-toxic.

**INHALATION:** If inhaled, this substance is considered practically non-toxic. See Toxicology Information, Section 11.

## 4. FIRST AID MEASURES

**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 a poison control center or doctor for treatment advice.

**SKIN:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**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 by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** 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.

**COMMENTS:** See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2001-1, January 2, 2001, and would apply in the event a product label is not immediately available.

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## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Chemical, Foam, Water Fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

**FIRE FIGHTING PROCEDURES:** Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read the entire document.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Soak up spilled material with paper towels and discard in trash.

**LARGE SPILL:** Dike or contain release. Collect material into drums. Absorb with sand, or other inert materials. Clean spill area of residues and absorbent.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep pesticide in original container. Do not put concentrate or diluted product into food or drink containers. Store in a secure, preferably locked, storage area. Protect container from freezing.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards (in Section 8), then special ventilation may be required.

### PERSONAL PROTECTION

**EYES AND FACE:** For application of product in accordance with label instructions, no special eye protection is needed. Workers involved in product manufacture should wear appropriate eye/face protection during operations where there is a potential for exposure.

**SKIN:** Wear protective clothing when handling or applying this product including long pants, long sleeved shirt, socks, shoes, and chemical resistant gloves. Wash nondisposable gloves thoroughly with soap and water before removing. Remove contaminated clothing and launder separately before reuse. Promptly and thoroughly wash hands and exposed skin with soap and water after using this product.

**RESPIRATORY:** Handling of the undiluted product is not likely to present an airborne exposure concern under normal use conditions. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy vapor or mist, workers should use respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH MSHA or the manufacturer. For application of product diluted in accordance with label instructions, no special respiratory protection is required. Read and follow label precautions.

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

| Chemical Name                  | EXPOSURE LIMITS      |                      |            |
|--------------------------------|----------------------|----------------------|------------|
|                                | OSHA PEL             | ACGIH TLV            | ACGIH STEL |
| Mecoprop-p, dimethylamine salt | None                 | None                 | None       |
| 2,4-D, dimethylamine salt      | 10 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> | None       |
| Dicamba, dimethylamine salt    | None                 | None                 |            |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight amine odor.

**COLOR:** Clear, light-brown.

**pH:** 7.14 (1% solution in water)

**BOILING POINT:** (212°F)

**DENSITY:** 1.0028 g/ml

**OXIDIZING PROPERTIES:** Non-reactive with water, kerosene, monoammonium phosphate, zinc, and ammonium nitrate.

**COMMENTS:** Product not corrosive when in contact with high density polyethylene, aluminum, stainless steel, or carbon steel for 32 days at 42 degrees C.

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**HAZARDOUS DECOMPOSITION:** Partial combustion may form carbon monoxide and nitrogen oxides.

**INCOMPATIBLE MATERIALS:** None known.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Non-irritating (rabbit).

**DERMAL LD<sub>50</sub>:** LD50 (rabbit): > 5000 mg/kg (practically non-toxic).

**ORAL LD<sub>50</sub>:** LD50 (rat): >5,000 mg/kg body weight (practically non-toxic).

**INHALATION LC<sub>50</sub>:** The LC50 4-hour inhalation exposure for rats is >2.06 mg/L air.

**SENSITIZATION:** Guinea pig - Not a dermal sensitizer.

### CARCINOGENICITY:

**CARCINOGENICITY COMMENTS:** Based on the results of animal toxicology studies, epidemiological investigations and findings from scientific review groups, 2,4-D is not considered to be a carcinogen. The EPA has classed 2,4-D in carcinogenic category "D" meaning the weight of the scientific evidence does not demonstrate a cause and effect relationship between 2,4-D and cancer.

**NEUROTOXICITY:** Numerous neurotoxicity studies involving several species, using high dose and repeated administration of 2,4-D, failed to demonstrate any clinically or histological evidence that the chemical is a neurotoxin.

**REPRODUCTIVE TOXIN:** 2,4-D has not demonstrated adverse reproductive effects or to have been associated with any teratological or birth defects.

**MUTAGENICITY:** 2,4-D is not considered a mutagen.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

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## 13. DISPOSAL CONSIDERATIONS

**FOR LARGE SPILLS:** Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

**PRODUCT DISPOSAL:** Call local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any drain.

**EMPTY CONTAINER:** Carefully follow label instructions for product disposal. Do not reuse container. Place empty container in trash or offer for recycling if available.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

**U.S. SURFACE FREIGHT CLASS:** Tree or weed killing compounds, NOI

**OTHER SHIPPING INFORMATION:** DOT and CERCLA Reportable Quantity (RQ) is 1000 lbs. (for Dimethylamine). DOT and CERCLA Reportable Quantity (RQ) is 1000 lbs. (for Dicamba). DOT and CERCLA Reportable Quantity (RQ) is 100 lbs. (for 2,4-D).

**SPECIAL SHIPPING NOTES:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

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## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

| PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA |             |          |                |                         |
|--------------------------------------------------|-------------|----------|----------------|-------------------------|
| ACUTE: NO                                        | CHRONIC: NO | FIRE: NO | REACTIVITY: NO | PRESSURE GENERATING: NO |

**313 REPORTABLE INGREDIENTS:** Mecoprop (CAS 93-65-2); Dicamba (CAS 1918-00-9); Dimethylamine (CAS 124-40-3). De Minimis Concentrations for Section 313 of EPCRA is 1.0%.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

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## 16. OTHER INFORMATION

### NFPA CODES

**FIRE:** 0 **HEALTH:** 2 **REACTIVITY:** 0

**APPROVAL DATE:** 04/19/2004

**REVISION SUMMARY** New MSDS

**ADDITIONAL MSDS INFORMATION:** NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

**GENERAL STATEMENTS:** This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

**COMMENTS:** Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.