

281253 Part# 0399210
 WEED-B-GON HOSE SPRY.QT#3992
 1455 SCOTTS CO.
 Buyer: Bernard W. Aubuchon Jr.

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 03/19/2003
 MSDS No: 7172

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Weed-B-Gon® Concentrate
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.: 239-2665 **PN:** 7088

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS#
Mecoprop-p, dimethylamine salt	5.3	66423-09-4
2,4-D, dimethylamine salt	3.05	2008-39-1
Dicamba, dimethylamine salt	1.3	1918-00-9

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Brown or black uniform liquid with amine odor.

IMMEDIATE CONCERNS: HARMFUL IF SWALLOWED

AVOID CONTACT WITH EYES, SKIN OR CLOTHING

KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: The undiluted product is moderately irritating to the eyes. Eye contact may include discomfort, tearing, swelling, redness, and blurred vision. See Toxicological Information, Section 11.

SKIN: The undiluted product is considered a slight skin irritant. See Toxicological Information, Section 11.

INGESTION: This substance is slightly toxic if swallowed. The degree of injury will depend on the amount absorbed from the gut. See Toxicological Information, Section 11.

INHALATION: The systemic toxicity of this substance has not been determined. However, results of a rat 4 hour aerosol inhalation study on a similar formulation, indicated a slight degree of toxicity. See Toxicological Information Section 11.

ROUTES OF ENTRY: Ingestion

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 2000-3 April 11, 2000 - and would apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

- FLASHPOINT AND METHOD:** None
- EXTINGUISHING MEDIA:** CO2, 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.

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.

7. HANDLING AND STORAGE

- GENERAL PROCEDURES:** Store product in original container in a locked storage area inaccessible to children or pets. Protect from freezing.

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:** Do not get this material in your eyes. Eye contact should be avoided by wearing chemical goggles or a face shield.
- 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/m3	10 mg/m3	None
Dicamba, dimethylamine salt	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE:** Liquid
- APPEARANCE:** Brown or black uniform liquid with amine odor
- pH:** ~7.5 to 8.0
- BOILING POINT:** (212°F)
- SOLUBILITY IN WATER:** Miscible with water.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

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

INCOMPATIBLE MATERIALS: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Rabbit: similar formulation indicated - may be a moderate eye irritant. All irritation resolved by day 14 of the study.

DERMAL LD₅₀: Rabbit: similar formulation > 2.0 gm/kg. EPA FIFRA toxicity category - IV.

SKIN IRRITATION: Rabbit: similar formulation - may be a slight skin irritant. All treated skin sites were normal by day 7 of the study.

ORAL LD₅₀: Rat: similar formulation > 5.0 gm/kg. EPA FIFRA toxicity category - IV.

INHALATION LC₅₀: Rat 4-hour acute aerosol - similar formulation > 5.36 mg/l.

EPA FIFRA toxicology category - IV.

SENSITIZATION: Guinea pig - similar formulation - was not a skin sensitizer in the Buehler Guinea Pig Sensitization Test.

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.

COMMENTS: The acute toxicity information provided by PBI Gordon Corporation (EPA Reg. No. 2217-570).

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

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, or areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area. When cleaning equipment, do not pour the washwater on the ground, spray or drain over a large area away from wells and other sources. Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP-p pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

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: Carefully follow all label directions and precautions: If empty: Do not reuse container. Place in trash or offer for recycling if available. If partially filled: Call local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Not Regulated

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.

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

GENERAL COMMENTS: Contact local authorities for disposal of large quantities of unused product.

16. OTHER INFORMATION

NFPA CODES

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

APPROVAL DATE: 03/19/2003

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.