



Material Safety Data Sheet

United States

The Ortho Group
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United States

24 HR. EMERGENCY TELEPHONE NUMBERS
CHEMTREC (U.S.) 1-800-424-9300
CHEMTREC (International) 1-703-527-3887
Non-Emergency Calls 1-937-644-0011

ORTHO WEED B GON MAX PLUS CRABGRASS CONTROL READY TO USE

1. Product and company identification

SKU # : 990421010, 990422010
EPA Registration Number: : 239-2689
MSDS # : 320000000300

2. Hazards identification

Physical state : liquid [liquid]

OSHA/HCS status : This material is/or contains a chemical that is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : CAUTION!
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, or using tobacco.

Potential chronic health effects

Chronic effects : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.
Target organs : None known.

Over-exposure signs/symptoms

Inhalation : No specific data.
Ingestion : No specific data.
Skin : No specific data.
Eyes : No specific data.
Medical conditions aggravated by over-exposure : None known.
Interactions with other Chemicals : Not available.
See toxicological information (section 11)

3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact	:	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 eye. Call a poison control center or doctor for treatment advice.
Skin contact	:	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.
Inhalation	:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	:	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 a poison control center or doctor. Never give anything by mouth to an unconscious person.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Notes to physician	:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product	:	No specific fire or explosion hazard.
<u>Extinguishing media</u>	:	
Suitable	:	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	:	None known.
Special exposure hazards	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition products	:	No specific data.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions	:	Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).
Environmental precautions	:	To protect the environment, do not allow pesticide to enter or run-off into storm drains, drainage ditches gutters or surface waters
Methods for cleaning up	:	Vacuum or sweep up material and place in container for disposal. Never place down drain.

7. Handling and storage

Handling	:	Avoid inhalation or contact with skin, eyes or clothing. Avoid container breakage. Do not contaminate water sources when disposing of equipment washwater or rinsate. Keep out of lakes, stream or ponds. Keep out of reach of children.
Storage	:	Store in original container in a cool, dry, well-ventilated area inaccessible to children and pets. Do not contaminate food or feedstuffs.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering measures	:	Use adequate ventilation to keep the airborne concentrations below the recommended exposure standard.
Hygiene measures	:	Wash thoroughly with soap and water after handling. Remove and launder contaminated clothing before reuse.
Personal protection		
Respiratory	:	No special respiratory protection required. If ventilation is inadequate to keep the airborne concentrations below the recommended exposure standard wear appropriate respiration protection.
Hands	:	Chemical-resistant gloves.
Eyes	:	Protective eyewear.
Skin	:	Wear long-sleeved shirt, long pants, shoes with socks.

9. Physical and chemical properties

Physical state	:	liquid [liquid]
Color	:	Amber.
Flash point	:	Not available.
Auto-ignition temperature	:	Not available.
Odor	:	Not available.
Odor threshold	:	Not available.
pH	:	8.7
Boiling/condensation point	:	Not available.
Melting/freezing point	:	Not available.
Critical temperature	:	Not available.
Density	:	8.34 lb/gal
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Evaporation rate	:	Not available.
Viscosity	:	Not available.
Solubility	:	Not available.
Partition Coefficient (n-octanol)	:	Not available.
Decomposition temperature	:	Not available.

10. Stability and reactivity

Chemical stability	:	The product is stable.
Conditions to avoid	:	No specific data.
Materials to avoid	:	No specific data.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Product	LD50 Oral	Rat	> 5,000 mg/kg	-
Product	LC50 Inhalation	Rat	2.03 mg/l	4 h
Product	LD50 Dermal	Rabbit	5,000 mg/kg	-

Conclusion/Summary Very low toxicity to humans or animals.

Irritation/Corrosion

Skin Slight
Eyes Mild.
Respiratory Not available.

Sensitizer

Conclusion/Summary Skin Not sensitizing
Respiratory Not available.

Chronic toxicity

Conclusion/Summary No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary No known significant effects or critical hazards.

Mutagenicity

Conclusion/Summary No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity This pesticide is toxic to fish and aquatic invertebrates

Aquatic ecotoxicity

Conclusion/Summary No known significant effects or critical hazards.

Persistence/degradability

Conclusion/Summary No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport information

Regulatory

<u>information</u>	<u>UN no.</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT		Not Regulated			
IATA (C)		Not Regulated			
IATA (P)					
IMDG		Not Regulated			
TDG		Not Regulated			
PG* : Packing group					

15. Regulatory information

United States :

U.S. Federal regulations

California Prop. 65 : Not listed.

United States inventory (TSCA 8b) : All components are listed or exempted.

Canada inventory : At least one component is not listed.

16. Other information

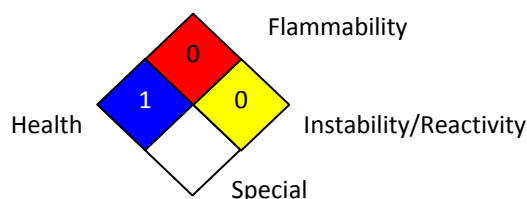
Hazardous Material Information System (U.S.A.) :

Health	1
Flammability	0
Physical hazards	0

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The customer is responsible for determining the PPE code for this material.

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Latest revision date 10/07/2011
Date of previous issue 00/00/0000
Version 0.0

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