

# MATERIAL SAFETY DATA SHEET

DATE PREPARED: 04/22/2004  
MSDS No: 7199

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ORTHO® Grass-B-Gon® Garden Grass Killer  
**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.:** 239-2620B **PN:** 5636

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Fluazifop-P-butyl, Butyl (R)-2-(4-((5-(trifluoromethyl)-2-pyridinyl)oxy)phenoxy)propanoate	0.48	79241-46-6
INERT INGREDIENTS	~99.52	

> "Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Clear to white hazy liquid.

**IMMEDIATE CONCERNS:** - CAUSES EYE IRRITATION - AVOID CONTACT WITH EYES OR CLOTHING - KEEP OUT OF REACH OF CHILDREN

### POTENTIAL HEALTH EFFECTS

**EYES:** This substance is slightly irritating to the eyes. Eye contact may include discomfort, tearing, redness, swelling, and blurred vision. See Toxicological Information, Section 11.

**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. This product is not expected to cause allergic skin reaction. See Toxicology Information, Section 11.

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

**INHALATION:** If inhaled, this substance is considered practically non-toxic. This substance may be irritating if inhaled. See Toxicological 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.

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## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Nonflammable

**EXTINGUISHING MEDIA:** Use appropriate agent for surrounding fire - product is not combustible.

**HAZARDOUS COMBUSTION PRODUCTS:** No data available.

**FIRE FIGHTING PROCEDURES:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. 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:** Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of. Do not contaminate water, foodstuffs or feed by storage or disposal.

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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 usually necessary. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed.

### PERSONAL PROTECTION

**EYES AND FACE:** For application of product in accordance with label instructions, no special eye protection is needed. Handling of this product during manufacturing or in the event of an accidental discharge of the material which could cause eye contact, workers should wear goggles or a face shield.

**SKIN:** Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves. The type of gloves recommended are: PVC.

**RESPIRATORY:** Handling of the product is not likely to present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy mist, workers should put on 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 in accordance with label instructions, no special respiratory protection is required.

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

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Butyl (R)-2-(4-((5-(trifluoromethyl)-2-pyridinyl)oxy)phenoxy)propanoate	None	None	None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Clear to cloudy white liquid

**pH:** 6.8

**VAPOR PRESSURE:** Not Determined

**FREEZING POINT:** No Data Available

**SOLUBILITY IN WATER:** Miscible with water.

**DENSITY:** 8.37 lbs./gal. at 20°C

**SPECIFIC GRAVITY:** 1.003 gr/cc at 20°C

**VISCOSITY:** 13cps (Brookfield )

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**HAZARDOUS DECOMPOSITION:** No data available.

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

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Results of the rabbit eye irritation study indicate that all eye irritation clearing in 72 hours.

**DERMAL LD<sub>50</sub>:** No irritation at 24 hours. The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0.6. The dermal LD<sub>50</sub> in rabbits is greater than 5 g/kg.

**ORAL LD<sub>50</sub>:** Rats = > 5.0 g/kg. EPA FIFRA toxicity category - IV.

**INHALATION LC<sub>50</sub>:** The 4-hour inhalation LC<sub>50</sub> in rats is greater than 5.4 mg/l.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Do not apply directly to water. Groundwater Advisory: Do not apply around wells or where the water table (groundwater) is close to the surface or where the soils are very permeable, such as sandy loam.

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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:** If necessary to dispose of partially filled product container, securely wrap it in several layers of newspaper and discard in trash.

**EMPTY CONTAINER:** Do not reuse container. Rinse thoroughly before discarding in trash.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

**PRIMARY HAZARD CLASS/DIVISION:** None

**UN/NA NUMBER:** NONE

**PACKING GROUP:** NO

**U.S. SURFACE FREIGHT CLASS:** Tree or weed killing compounds, NOI, Density of 20 lbs. or greater per cu. ft.

**AIR (ICAO/IATA)****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.

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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: YES	CHRONIC: NO	FIRE: NO	REACTIVITY: NO	PRESSURE GENERATING: NO

**313 REPORTABLE INGREDIENTS:** None**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****HMIS CODES****FLAMMABILITY:** 0   **HEALTH:** 1   **PHYSICAL HAZARD:** 0   **PERSONAL PROTECTION:** -**NFPA CODES****FIRE:** 0   **HEALTH:** 1   **REACTIVITY:** 0   **SPECIAL:** -**APPROVAL DATE:** 04/22/2004**REVISION SUMMARY** New MSDS

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