

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 Weed Beater Plus Crabgrass &
Broadleaf Weed Killer Ready to Spray**

ID # 4466

Date: February 18, 2008

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					6.42%
Quinclorac					2.13%
Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid)					0.60%

Section III- Health Hazard Data

**EMERGENCY OVERVIEW: Caution - harmful if swallowed. Moderate eye irritation.
Avoid contact with skin, eyes and clothing. Avoid breathing spray mist.**

ROUTES OF EXPOSURE: Skin contact, inhalation, Ingestion.

IMMEDIATE EFFECTS-

EYE: Moderate eye irritation. Do not get in eyes.

SKIN: Moderate skin irritation. Harmful if absorbed through skin. Avoid contact with skin and clothing.

INGESTION: Harmful if swallowed. Do not take internally.

INHALATION: Irritation of mucous membranes. Mists may cause respiratory tract irritation, coughing, and burning sensation. Harmful if inhaled. Avoid breathing spray mist.

CHRONIC OR DELAYED LONG TERM: This product contains ingredients that are considered to be probable or suspected human carcinogens.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease. Individuals with allergic history or pre-existing dermatitis should use extra care in handling this product.

NFPA: Health - 2 Flammability- 1 Reactivity- 0 Others- none

Section IV- Physical & Chemical Properties

APPEARANCE: Brown to black opaque liquid

pH: 7.5- 8.5

BOILING POINT: 100° C / 212° F

ODOR: Mild sweet

SPECIFIC GRAVITY: 1.037

FREEZING PT: <1.7° C / 35.1°F

Section V - Fire/Explosion Hazard Data

FLASH POINT: 147° F

FIRE & EXPLOSION DATA: In case of fire the evolution dangerous gases is possible.

EXTINGUISHING MEDIA: Foam carbon dioxide, dry chemical, water

FIRE FIGHTING INSTRUCTIONS/ COMMENTS: Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Inform authorities at once if material enters sewers or water courses. Equipment of materials involved in pesticide fires may become contaminated. Firefighters should wear MIOOSH approved self-contained breathing apparatus and full protective clothing.

Section VI- Stability & Reactivity

CHEMICAL STABILITY: Stable under normal condition.

INCOMPATIBILITY: Acids

HAZARDOUS DECOMPOSITION: In case of fire may produce Hydrogen chloride, nitrogen oxides, carbon monoxide.

Section VII – First Aid

FIRST AID: IF IN EYES: Flush with water for 15 to 20 minutes. Remove contact lenses, if present after the first 5 minute. Call a physician or poison control center immediately. Get medical attention if irritation persists.
SKIN: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison center.
INGESTION: Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. Do not induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
INHALATION: Move to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration. Call a physician or poison control center.
NOTE TO PHYSICIAN: Inhalation may provoke the following symptoms: burning sensation, discomfort in the chest, cough and dizziness. Ingestion may provoke: discomfort in the chest, vomiting, abdominal pain and diarrhea.
TREATMENT: There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient’s condition is recommended.

Section VIII - Storage and Handling

STORAGE: Keep in a cool, dry place inaccessible to children or pets. Avoid temperature extremes. Do not contaminate water, food or feed by storage or disposal. Store in original container and out of the reach of children, preferably in a locked storage area. Do not Freeze.
HANDLING PRECAUTIONS: Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling with soap and water. Practice good hygiene when working with this or any chemical.
SKIN: Wear chemical resistant gloves nitrile gloves. Wear long- sleeved shirt and long pants with shoes and socks.
EYES: Safety glasses or goggles.
INHALATION: Use adequate ventilation, local exhaust recommended.. If respirator are required use NIOASH approved equipment based on appropriate regulatory standards.

Section IX - Spill or Leak Procedures

PRECAUTIONS: Avoid prolonged contact with spilled material.
DISPOSAL: Soak up with absorbent. Wrap in paper and place in trash. For large spills, contact Federal, State, or Local authorities for instruction. Pesticide wastes are acutely hazardous.
CONTAINER DISPOSAL: Triple rinse and recycle or recondition.

Section X - Additional Information/Hazards

TRANSPORTATION CLASSIFICATION: Not regulated. Packages less than 219 gallons;
greater that 219 gallons - Environmentally Hazardous Substances. Liquid, NOS, 9, UN30825 PGIII, RQ (2, 4-D)
FREIGHT: Herbicides, NOI – NMFC Class #50320
Toxic to fish and aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non target plants. Do not apply directly to water, to areas where surface water is present or to intermeddle areas below the mean high water mark. Do not contaminate water with this product.

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

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.