

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**

ID No. 22178084

Date: November 1, 2006

Section I

Bonide Products, Inc. (800) 424-9300
6301 Sutliff Rd. (315) 736-8231
Oriskany, NY 13424

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				5.83
**Dimethylamine Salt of (+)-@-2-(4-chloro-2-methylphenoxy) propanoic acid				2.93
***Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid)				1.46
****Monosodium acid methanearsonate				18.00

This Product Contains:

- *0.48 lb. 2,4-Dichlorophenoxyacetic acid equivalent per gallon or 4.84%
- **0.24 lb. 2-(2-methyl-4-chlorophenoxy) propanoic acid equivalent per gallon or 2.42%
- ***0.12 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.21%
- ****1.80 lbs. monosodium methanearsonate per gallon or 18% total Arsenic (as elemental) all in water soluble form 8.33%

Section III - Physical/Chemical Ingredients

BOILING POINT: 212°F Freezing Point: < 15°F VAPOR PRESSURE (mm Hg): <17 @ 68°F
SPECIFIC GRAVITY: 1.19347 MELTING POINT: NI VAPOR DENSITY (AIR=1): NI
pH: 8.0 SOLUBILITY IN WATER: Infinite
EVAPORATION RATE (Butyl Acetate=1): NI
APPEARANCE AND ODOR: Liquid, amine odor
OTHER INFORMATION: % Volatile by Volume: 92%

Section IV - Fire and Explosion Data

FLASHPOINT: 101 degrees F
EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water
FIRE FIGHTING INSTRUCTIONS: Wear positive pressure breathing apparatus and full protective clothing.
UNUSUAL FIRE FIGHTING PROCEDURES: Burning product may produce irritating or poisonous gases. Runoff from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

Section V - Reactivity Data

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY (Materials to Avoid): Contamination with acidic materials may ruin product.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: In fire conditions, CO, CO2, NOx, HCl may be produced.

Section VI - Health Hazard Information

ROUTES OF ENTRY: Contact, inhalation, ingestion. EYES: May cause irritation and burning
SKIN: Moderately irritating to the skin; may be absorbed through the skin.
INHALATION: May cause respiratory irritation; burning. INGESTION: May irritate gastrointestinal tract.

CHRONIC: Repeated and prolonged overexposure may cause chronic irritation of respiratory tract. Overexposure may cause adverse effects to liver, kidneys, skin, muscular and gastrointestinal systems.

SIGNS AND SYMPTOMS OF EXPOSURE: Burning sensation; coughing

Section VI - Health Hazard Information (cont'd)

EMERGENCY AND FIRST AID PROCEDURES: EYES: Flush contaminating chemicals from eyes with large amounts of clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention. SKIN: Remove contaminated clothing. Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse. INHALATION: Remove victim to fresh air. Administer artificial respiration if necessary. Call a physician. Two-day removal from exposure may be indicated for instances of severe overexposure by inhalation. INGESTION: Call a physician or Poison Control Center immediately.

Section VII - Precautions for Safe Handling/Use

STORAGE: Store in original container in a locked area, inaccessible to children and pets. Keep from freezing. Do not allow cross-contamination of pesticides, fertilizers, seeds, feed or food.

OTHER PRECAUTIONS: Pesticide wastes are toxic. Do not contaminate water supplies with rinsate from equipment cleaning or spill clean up. Do not apply this product when it may drift from the target area. Do not apply directly to water.

VENTILATION REQUIREMENTS: Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

RESPIRATORY PROTECTION: If recommended exposure limits may be exceeded, wear a respirator for dusts/mists, NIOSH/MSHA approval number TC-21C or an organic vapor respirator with pesticide cartridge, NIOSH/MSHA approval number TC-23C.

PROTECTIVE CLOTHING: Wear long sleeves and pants; chemical-resistant gloves and shoes.

EYE PROTECTION: Safety goggles with side shields or safety goggles.

Section VIII - Environmental and Disposal Information

SPILL OR LEAK PROCEDURES: Wear protective clothing, chemical resistant gloves and shoes, safety glasses or goggles, and if exposure limits may be exceeded, a dust/mist respirator, NIOSH/MSHA approval no. TC-21C or an organic vapor cartridge respirator, NIOSH/MSHA approval no. C-23C.

Contain spill and collect for reuse or absorb onto inert absorbent such as Dri-Rite, sand or pet litter. Collect into drums; cover and label drums for reuse or proper disposal. Flush area with water if possible. Absorb wash water for disposal.

WASTE DISPOSAL METHOD: Dispose of DOT drums(s), wastewater according to Local, State and Federal regulations.

Section IX - Additional Information

TSCA STATUS: Exempt

RECOMMENDED HAZARD SUMMARY (Defined by 29 CFR 1910.1200): Immediate health hazard

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE

TLV: THRESHOLD LIMIT VALUE

STEL: SHORT TERM EXPOSURE LIMIT

NI=Not Indicated

N/E: NOT ESTABLISHED

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

D.O.T.: DEPARTMENT OF TRANSPORTATION

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