

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 Chickweed, Clover & Oxalis Killer

ID #2283344

Date: March 10, 2008

Section I

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300 (Chemtrec)
(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-Methyl-4-Chlorophenoxyacetic Acid (CAS# 2039-46-5)	N/A	N/A	N/A	13.72%
Triethylamine Salt of 3,5,6-Trichloro-2-pyridinyloxyacetic Acid (CAS# 057213-69-1)	N/A	N/A	N/A	1.56%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid) (CAS# 2300-66-5)	N/A	N/A	N/A	1.35%

Section III - Physical/Chemical Ingredients

BOILING POINT: >212°F
Freezing Point: 32°F
VAPOR PRESSURE (mm Hg): equal to water
SPECIFIC GRAVITY: 1.039
MELTING POINT: N/A
VAPOR DENSITY (AIR=1): NE
pH: 7.5 – 8.5
SOLUBILITY IN WATER: Infinite
EVAPORATION RATE (Butyl Acetate=1): NI
APPEARANCE AND ODOR: Dark Liquid, slight ammonia odor

Section IV - Fire and Explosion Data

FLASHPOINT: N/A aqueous solution
EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water
EXTINGUISHING MEDIA: CO2, dry chemical, foam.
SPECIAL FIRE FIGHTING PROCEDURES: Isolate fire area. Evacuate downwind residents and all areas where fire seriously threatens the product containers. Wear full protective clothing including rubber boots, neoprene gloves and self-contained breathing apparatus. Attempt to keep containers cool. Do not breathe or contact smoke or vapors.
CONDITIONS TO AVOID (INCOMPATIBILITY): Heat and fire. Thermal decomposition and burning may produce toxic by-products and an explosion hazard.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides. Contain the run-off, if possible, for proper disposal.

Section V - Reactivity Data

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY (Materials to Avoid): Strong oxidizers or acids
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: In fire conditions, CO, CO2, NOx, HCl may be produced.

Section VI - Health Hazard Information

ROUTES OF ENTRY: Contact, ingestion.

EYES: Direct and prolonged eye exposure to the concentrated product may cause corneal opacity, irreversible eye damage.

SKIN: May cause mild skin irritation in some individuals. Harmful if absorbed through skin. Prolonged or repeated overexposure may result in effects similar to those caused by ingestion.

INGESTION: May cause muscle weakness, nausea, diarrhea, and abdominal pain. Fall in blood pressure or myotonia (prolonged muscular spasm) may occur under extreme conditions. Can be fatal.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin exposure may aggravate existing skin conditions. Exposure to mist may aggravate existing respiratory conditions.

CHRONIC HEALTH EFFECTS: Chronic overexposure to dicamba may cause liver changes or a decrease in body weight. The EPA's Science Advisory Panel has given dicamba a class D classification (not classifiable as to human carcinogenicity). Animal tests with dicamba have not shown carcinogenic, terato-genic or other reproductive effects with the exception of slightly reduced fetal body weights and post implantation losses reported at the Maximum Tolerated Dose level. The available evidence on MCPA and triclopry indicate that they do not pose a carcinogenic or mutagenic risk. Triclopry is not considered a teratogen, but no conclusions can be drawn about the teratogenic risk of MCPA.

Section VII - Precautions for Safe Handling/Use

FIRST AID:

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: Remove contaminated clothing and wash with soap and water immediately. Obtain medical attention if irritation persists.

INHALATION: Remove to fresh air. If breathing is difficult or if any discomfort persists, obtain medical attention.

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 do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going to for treatment.

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

STORAGE AND HANDLING: Store in a cool, dry place and avoid excess heat. Store in original containers only. Wash hands and other exposed skin surfaces prior to smoking or consuming food or beverages. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by improper storage or disposal.

SPILL OR LEAK: Isolate and post spill area. Wear prescribed protective clothing and equipment. Keep material out of streams and sewers. Contain and absorb spilled material with a solid absorbent such as sand, cat litter, commercial clay or other suitable absorbent. Place in an approved drum and dispose of material following the method outlined below under "Waste Disposal". To decontaminate spill area, tools and equipment, wash with a suitable solution (e.g. organic solvent, detergent, bleach or caustic) and dispose of solution following the method outlined below under "Waste Disposal".

Environmental and Disposal Information (cont'd)

WASTE DISPOSAL: Open dumping or burning of this material is prohibited. An acceptable method of disposal is to burn in an incinerator in accordance with all local, state and federal environmental laws, rules, standards and regulations. Because acceptable methods of disposal may vary by location and because regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal. Steel containers which contained these materials must be crushed and disposed of in a sanitary landfill. Do not cut or weld steel containers.

DOT PROPER SHIPPING NAME: Not Regulated

OTHER REGULATORY CLASSIFICATIONS:

SARA TITLE III; Section 311/312: An immediate and delayed health hazard.

SARA TITLE III; Section 313: This product contains the following substances subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Dimethylamine of Dicamba CAS# 2300-66-5 and Triclopyr triethylammonium salt CAS# 57213-69-1

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

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.