

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 Liquid Weed & Feed

ID # 22177524

Date: March 10, 2008

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 Salts of: 2,4-Dichlorophenoxyacetic Acid					2.26
(+)-(R)-2-(2-methyl-4-chlorophenoxy) Propionic Acid					1.17
THIS PRODUCT CONTAINS: 0.178 LB. 2,4-Dichlorophenoxyacetic acid equivalent per gallon or 1.88%					
0.092 lb. (+)-(R)-2-(2-methyl-4-chlorophenoxy) Propionic Acid equivalent per gallon or 0.97%					

Section III - Physical/Chemical Ingredients

BOILING POINT: 210 degrees SPECIFIC GRAVITY: (H2O=1): 1.100
VAPOR PRESSURE: NA MELTING POINT: NA
VAPOR DENSITY (AIR=1): NA EVAPORATION RATE (Butyl Acetate=1): NA
SOLUBILITY IN WATER: 100% APPEARANCE AND ODOR: Amber Liquid, Slight Amine Odor

Section IV - Fire and Explosion Data

FLASH POINT(Method Used): None aqueous solution FLAMMABLE LIMITS: NA
EXTINGUISHING MEDIA: Dry chemical C02 Foam. Water will dilute and spread product.
SPECIAL FIRE FIGHTING PROCEDURES: Water spray to cool. Foam, C02, Dry chemical to extinguish. Use self-contained breathing apparatus in confined areas and with intense heat.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section V - Reactivity Data

CONDITIONS TO AVOID: None HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY: None STABILITY: Stable

Section VI - Health Hazard Information

ROUTES OF ENTRY: INHALATION: Very Low vapor toxicity SKIN: Low toxicity INGESTION: Low toxicity
HEALTH HAZARDS(Acute and Chronic): EYE: Minimal eye irritation. SKIN: Does not cause skin irritation.
Not a sensitizer. INGESTION: Moderate to Low oral toxicity. LD₅₀ greater than 5.0 g/Kg.
CARCINOGENICITY: NTP: No. ARC MONOGRAPHS: No OSHA Regulated: No
SIGNS AND SYMPTOMS OF EXPOSURE: No symptoms determined.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No medical conditions determined.
EMERGENCY AND FIRST AID PROCEDURES: Flush eyes or skin repeatedly with water. For ingestion, drink promptly milk, egg whites, gelatin solution or large quantities of water.

Section VII - Precautions for Safe Handling/Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spills. Pick up and absorb material with dry granules or sand. Remove as much as possible. Place in a closed, marked container in a secured building for proper disposal. WASTE DISPOSAL METHOD: Dispose of by securely wrapping original container in several layers of newspaper and discarding in trash. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP AWAY FROM CHILDREN. Avoid getting in eyes, skin or on clothing. Do not store near fertilizers, seeds, insecticides or fungicides. OTHER PRECAUTIONS: Read the precautionary statements on the product label before using or handling. Use only as directed on label.

Section VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (specific type): None required.	VENTILATION: NA
LOCAL EXHAUST: NA	SPECIAL: NA
MECHANICAL (General): NA	OTHER: NA
PROTECTIVE GLOVES: NA	EYE PROTECTION: NA
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NA	
WORK/HYGIENIC PRACTICES: Wash exposed skin and clothing after using any pesticide	

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 PRODUCT OUT OF REACH OF CHILDREN**ABBREVIATION KEY**

NA: NOT AVAILABLE OR APPLICABLE	N/E: NOT ESTABLISHED
TLV: THRESHOLD LIMIT VALUE	TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY
STEL: SHORT TERM EXPOSURE LIMIT	D.O.T.: DEPARTMENT OF TRANSPORTATION

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