

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS: MICRO FLO COMPANY
P.O. BOX 772099
MEMPHIS, TN 38117

EMERGENCY TELEPHONE NUMBERS:
(800) 424-9300 (CHEMTREC, transportation and spills)
(800) 900-4044 (Poison Control Center, human health)
(800) 345-4735 (ASPCA, animal health)

PRODUCT NAME : BANVEL-K™ + ATRAZINE
CHEMICAL NAME : Mixture of potassium salt of dicamba and 2-chloro-4-ethylamino-6-isopropylamino-s-triazine
CHEMICAL FAMILY : Substituted benzoic acid and substituted triazine
PRODUCT CODE : EPA Reg. No. 51036-307

SECTION 2 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS NUMBER	OSHA PEL	ACIGH TLV
Potassium Salt of Dicamba	13.4%	10007-85-9	not listed	not listed
Atrazine	22.2%	1912-24-9	5 mg/m ³	5 mg/m ³
Inert Ingredients	64.4%	n/a	n/a	n/a

SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Brown slurry/liquid suspension.

ODOR: Mild amine odor.

BOILING/MELTING POINT: Not available.

SPECIFIC GRAVITY: 1.15 g/mL (9.6 lb/gl)

pH: 9 - 10

VAPOR PRESSURE mmHg @ 20 C: 18 (as water) @ 68 F

WATER SOLUBILITY: Miscible in water.

SECTION 4 - FIRE & EXPLOSION HAZARD

FLASHPOINT (method): Does not flash.

FLAMMABLE LIMITS (LFL-UFL): N/A

FIRE AND EXPLOSION HAZARD: Combustion may yield dicamba potassium salt, hydrogen chloride, organochlorine products, oxides of nitrogen, carbon monoxide.

EXTINGUISHING MEDIA: Water fog, foam, dry chemical, CO₂

FIRE FIGHTING PROCEDURES: Firefighters should wear self contained breathing apparatus and turnout gear. Do not allow fire fighting water to escape into waterways or sewers.

NFPA HAZARD CODE:

Health - 2

Flammable - 0

Reactivity - 0

NFPA 30 STORAGE CLASSIFICATION: Non-flammable liquid suspension.

SECTION 5 - HEALTH DATA

ACUTE TOXICITY:

Oral LD ₅₀ (rat)	-	5,900 mg/Kg
Dermal LD ₅₀ (rabbit)	-	> 2,000 mg/Kg
Inhalation LC ₅₀ (rat)	-	> 3.38 mg/L (4 hour)
Eye Irritation (rabbit)	-	Non-irritating
Skin Irritation (rabbit)	-	Non-irritating
Sensitizer (guinea pig)	-	Non-sensitizer

EFFECTS OF OVEREXPOSURE: CAUTION

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. In case of contact, wash skin with soap and water; for eyes, flush with water for 15 minutes and get medical attention.

CHRONIC OVEREXPOSURE EFFECTS: There are no known chronic effects associated with this material.

FIRST AID PROCEDURES:

IF SWALLOWED - Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and immediately induce vomiting by touching back of throat with finger. If person is unconscious or having convulsions, do not give anything by mouth and do not induce vomiting.

IF INHALED - Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN - Wash with plenty of soap and water. Remove and launder contaminated clothing before reuse. Get medical attention if irritation develops.

IF IN EYES - Flush with plenty of water. Call a physician if irritation develops.

SECTION 6 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: None known.

CHEMICAL INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: None known.

CORROSIVE TO METAL: No

OXIDIZER: No

SECTION 7 - PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS: Refer to the Product label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

CLOTHING - Long-sleeved shirt and long pants, Chemical-resistant gloves, Chemical-resistant footwear plus socks.

EYE PROTECTION - Protective eyewear.

RESPIRATORY PROTECTION - If mists are generated, wear a NIOSH/MSHA approved respirator for mists to prevent inhalation.

VENTILATION - Use local exhaust to control dusts/mists.

SECTION 8 - ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY: (Technical)

96 hour LC₅₀, Bluegill - 150 mg/L

48 hour EC₅₀, Daphnia - > 1000 mg/L

SARA TITLE III STATUS:

Fire: No
 Sudden Pressure: No
 Reactivity: No
 Acute: Yes (irritation)
 Chronic: No
 TPQ: 10,000 lbs.

SPILL AND LEAK PROCEDURE: Contain spill and absorb with dry granules, sawdust or equivalent. Collect and place in suitable container for disposal. Area can be washed down with water and detergent to remove remaining herbicide.

HAZARDOUS SUBSTANCE SUPERFUND: Yes, RQ 1,000 lbs. (dicamba)

WASTE DISPOSAL METHOD: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, state and local procedures.

CONTAINER DISPOSAL: Triple rinse containers and add rinsate to the spray tank. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 9 - TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME:

= or > 900 gallons: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

< 900 gallons: None

DOT HAZARD CLASSIFICATION:

Primary - = or > 900 gallons: ENVIRONMENTALLY HAZARDOUS SUBSTANCES

Secondary - < 900 gallons: None

DOT LABELS REQUIRED: Class 9

DOT PLACARDS REQUIRED: Class 9

CERCLA REPORTABLE QUANTITY: 1000 lbs of dicamba (900 gal of product)

BILL OF LADING DESCRIPTION:

= or > 900 gallons: Environmentally Hazardous Substances, Liquid NOS, 9, PG III, RQ (Dicamba), ERG 171

< 900 gallons: Compounds, Tree or Weed Killing (Herbicides) NOIBN

UN/NA CODE: UN 3082

SECTION 10 - PRODUCT LABEL

BANVEL-K™ + ATRAZINE
 EPA REG. NO. 51036-307

RESTRICTED USE PESTICIDE DUE TO GROUND AND SURFACE WATER CONCERNS

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUND AND SURFACE WATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

DISCLAIMER

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DATE PREPARED: July 14, 1999

DATE REVISED: Addition of Poison Control Emergency Numbers