

MATERIAL SAFETY DATA SHEET

VENDETTA BROADLEAF HERBICIDE

I. NAME

PRODUCT/TRADE NAME: VENDETTA BROADLEAF HERBICIDE
EPA REGISTRATION #: 71368-28-2935
CHEMICAL NAME/Common Name:
Octanoic acid ester of bromoxynil/Bromoxynil
Isooctyl Ester or 2 Methyl 4 Chlorophenoxyacetic Acid/MCPA Ester
Aromatic Solvent/Naphthalene

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
IBromoxynil	1689-99-2	NE	NE
Isooctyl Ester of MCPA	29450-45-4	NE	NE
Naphthalene	91-20-3	10 ppm	10 ppm

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.148
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NE
% VOLATILES BY VOL.: NE
ODOR: Phenolic
APPEARANCE: Amber Liquid
FLASH POINT/METHOD: >200 Deg. F
VAPOR PRESSURE (mmHg): NE
SOLUBILITY IN H₂O: Soluble

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other
FIRE FIGHTING PRECAUTIONS & HAZARDS:
Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Do not breathe smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type 3

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Oxidizers, Mineral acids and Bases
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, NO_x, HCL

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory protective equipment. Absorb with inert material. Vacuum or sweep material up and place in an approved disposal container.
DECONTAMINATION: Treat contaminated area with detergent and water. Absorb with inert material and place in disposal container. Repeat as necessary until area is clean.
ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.
DISPOSAL: Place in DOT-approved container and dispose of in an EPA Class I disposal site.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute oral LD₅₀ (rats) 400 mg/kg (Bayer*). Do not ingest. Wash before eating, drinking or smoking. Do not store near food or feed.
INHALATION: No PEL/TLV established for this product. Avoid inhalation of vapors or spray mist. Use appropriate respiratory protection for exposures encountered.
SKIN ABSORPTION: Dermal LD₅₀ (rats) 5050 mg/kg (Bayer*). Avoid skin contact. Wear appropriate personal protective equipment to reduce skin exposure.
EYE EXPOSURE: Keep out of eyes. Can cause corneal injury. If exposed, flush eyes for a minimum of 15 minutes with water.
EFFECTS OF OVEREXPOSURE: May irritate respiratory and gastrointestinal tract. Symptoms of overexposure are abdominal pain, diarrhea, vomiting, muscle twitching, stiffness, sweating and convulsions. Can be fatal. Chronic exposure may result in liver, kidney, blood or testicular injury. Preexisting conditions involving the above symptoms may be aggravated by the exposure to this product.

FIRST AID: In all cases, get prompt medical attention. If ingested, give large amounts of water. Do not induce vomiting. For eye exposure, irrigate for a minimum of 15 minutes with water. For skin exposure, remove contaminated clothing and wash with soap and water. If inhaled, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA - approved respirator for pesticides for the exposures encountered. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber boots, neoprene or nitrile gloves, chemical goggles, apron, hat and long-sleeved coveralls. For manufacture, formulation or application operations, recommend a shower at the end of the work shift.
VENTILATION: Local exhaust ventilation is recommended for manufacture or formulation. Store in a well-ventilated area. Allow closed trucks adequate time to ventilate prior to entering.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.
STORAGE AND HANDLING: Store at a temperature above 3°F. If allowed to freeze, remix before using.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None
SARA 313: Yes No Chemical: Bromoxynil, Xylene
SARA 302: Yes No Chemical:
TPQ:
CERCLA: Yes No Chemical: Xylene
RQ:
RCRA: Yes No
NFPA HAZARD RATING: NFPA HAZARD RATING SCALE:
Health: [2] 0 = Minimal 3 = Serious
Fire: [1] 1 = Slight 4 = Severe
Reactivity: [0] 2 = Moderate
Special: []
HMIS CODES: HMIS HAZARD RATING SCALE:
Health: [2] 0 = Minimal 3 = Serious
Fire: [1] 1 = Slight 4 = Severe
Reactivity: [0] 2 = Moderate

DATE PREPARED: February 6, 2008

REVISED DATE: January 26, 2010

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*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300



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