

ACCLAIM[®] EXTRA HERBICIDE

For Product Use Information: (800) 331-2867 24 Hours/Day

Medic./Trans. Emergency:
(DART) (800) 334-7577 24 Hours/Day
(CHEMTREC) (800) 424-9300 24 Hours/Day

Product Code: 15421

MSDS Number: C2950

Version Date: April 25 2000

1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: ACCLAIM[®] EXTRA HERBICIDE

Product Code: 15421

MSDS Number: C2950

Chemical Name: fenoxaprop-p-ethyl:(+)-ethyl 2-{4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy}propanoate

Chemical Family: benzoxazole

EPA Registry Number: 432-950

AVENTIS ENVIRONMENTAL SCIENCE USA LP

95 CHESTNUT RIDGE ROAD

MONTVALE, NJ 07645

UNITED STATES

PRODUCT USE:

END-USE PRODUCT DESCRIPTION: For selective postemergence

Annual & Perennial Grass Control in Turfgrass.

2. COMPOSITION / INFORMATION on INGREDIENTS

Component	Cas number	%
Fenoxaprop-p-ethyl	71283-80-2	6.59%
Inert ingredients, including:		93.41%
Naphthalene	91-20-3	< 6%
Aromatic hydrocarbons	64742-95-6	
Glycol ethers	123-81-9	

INERT INGREDIENTS (93.41%): Only the regulated ingredients are listed above. For additional information, refer to Section 15 (Regulatory Information).

SYNONYMS: HOE 46360 OH EW07 A2--

3. HAZARDS IDENTIFICATION

NOTE: For detailed toxicological information, please refer to Section 11.

EMERGENCY OVERVIEW:

CAUTION. Causes moderate eye injury. Harmful if swallowed. Inhalation of vapor may cause headache, loss of appetite, and nausea. Vapors may cause eye irritation. This product is a white to beige liquid.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE:

Skin absorption, vapor and mist inhalation.

SIGNS AND SYMPTOMS OF EXPOSURE:

EFFECTS OF OVEREXPOSURE: Symptoms of over-exposure include headache, nausea, loss of appetite. Ingestion may induce CNS depression-like symptoms and other adverse health effects.

IMMEDIATE EFFECTS

SKIN:

A slight skin irritant.

EYES:

Causes moderate eye irritation. Vapors may cause eye irritation.

INHALATION:

High vapor/aerosol concentrations (greater than approximately 1,000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.

INGESTION:

Harmful if swallowed. Small amounts of the solvent in this product aspirated into the respiratory system during ingestions or vomiting may cause mild to severe pulmonary injury.

4. FIRST AID MEASURES

After contact with skin: Wash with soap and water.

After contact with eyes: Flush eyes with plenty of water. Get medical attention.

After ingestion: If swallowed, do not induce vomiting. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash point: 212°F 100°C Closed Cup

Advice on protection against fire and explosion:

FIRE FIGHTING INSTRUCTIONS: Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material.

Suitable extinguishing media:

SMALL FIRE: Dry chemical or CO₂.

LARGE FIRE: Foam or water - move containers from fire area if without risk. Cool containers with water from maximum distance.

6. ACCIDENTAL RELEASE MEASURES

GENERAL AND DISPOSAL: Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with federal or local disposal regulations. Notify the appropriate authorities immediately. (See Section 15 for applicable Reportable Quantity (RQ) and other federal regulatory information).

LAND SPILL OR LEAK: Do not touch spilled material. Take up with sand, earth, or other non-combustible absorbent material or dike for later disposal. Avoid flame or sparks.

7. HANDLING and STORAGE

Handling:

CAUTION. Causes moderate eye injury. Harmful if swallowed. Avoid contact with eyes or clothing. Use the recommended equipment while handling this product (See Personal Protection Section 8).

USERS SHOULD:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Only protected handlers may be in the area during application.
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Storage:

Do not contaminate water, food or feed by storage or disposal. Do not use or store near heat or open flame. Store this product in its original container. Do not put concentrate or diluted product into food or drink containers. Store product in a secure storage area. Do not store over 100°F or below 10°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional advice on system design:

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guideline (see below for any OSHA/ACGIH exposure limits). Use with adequate ventilation. Local exhaust ventilation may be necessary, especially when used in a confined area. Handle only in ventilated area.

Personal protective equipment

FOR APPLICATORS AND HANDLERS (AGRICULTURAL USES): The personal protective equipment (PPE) for agricultural uses are specified under the Subtitle: "Note to Applicators and Handlers of Agricultural Products."

NOTE TO APPLICATORS AND HANDLERS OF AGRICULTURAL PRODUCTS: For agricultural products which are within the scope of the EPA Worker Protection Standards (WPS) (40 CFR Part 170) all users must refer to the statement below or the Product Label for WPS-specified Personal Protective Equipment (PPE), Restricted Entry Interval (REI), and other Precautionary Statements.

PERSONAL PROTECTIVE EQUIPMENT FOR APPLICATORS AND HANDLERS:

Applicators and handlers must wear:

- Long-sleeved shirts and long pants
- Shoes plus socks

PERSONAL PROTECTIVE EQUIPMENT REQUIRED FOR EARLY ENTRY INTO TREATED AREAS:

For entry into treated area during the restricted entry interval (REI) of 24 hours that involves contact with anything that has been treated such as plants, soil, or water, the PPE required is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

FOR MANUFACTURING AND PACKAGING EMPLOYEES:

The personal protective equipment (PPE) in accordance with OSHA standards are recommended immediately below.

Body protection: Impermeable rubber gloves (such as neoprene or PVC). Wear apron when handling product.

Eye protection: Goggles or face shield.

EXPOSURE GUIDELINES:

Naphthalene (91-20-3)

OSHA PEL	ACGIH TLV	HCC WEL
50 mg/m ³ (PEL)	79 mg/m ³ (STEL)	None
10 ml/m ³ (PEL)	15 ml/m ³ (STEL)	None
None	52 mg/m ³ (TWA)	None
None	10 ml/m ³ (TWA)	None

Fenoxaprop-p-ethyl (71283-80-2)

Manufacturer's Recommended Limit (TWA): 1.4 mg/m³

Aromatic Hydrocarbons (64742-95-6)

Manufacturer's Recommended Limit: TLV (TWA) = 50 ppm

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: White to beige liquid.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

BOILING POINT: Not established

VAPOR PRESSURE: Not measured

DENSITY: 1.04 gm/cm³ at 68°F (20°C)

10. STABILITY and REACTIVITY

CHEMICAL STABILITY:

Stable (>10°F & <100°F)

HAZARDOUS POLYMERIZATION:

Will not occur

Do not store over 100°F or below 10°F.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS

Causes moderate eye injury.

SKIN EFFECTS

Dermal LD50 (rat): > 5,000 mg/kg (low toxicity)

A slight skin irritant.

ACUTE ORAL EFFECTS

Oral LD50 (rat): 4,410 mg/kg (males); >5,000 mg/kg (females) (low toxicity). Harmful if swallowed.

ACUTE INHALATION EFFECTS

Inhalation LC50: > 7.6 mg/l (low toxicity)

CHRONIC (CANCER INFORMATION)

This product contains fenoxaprop-p-ethyl as the active ingredient. Reduced blood lipids and cholesterol and increased liver weights were adaptive and reversible changes induced by fenoxaprop-p-ethyl in sub-chronic studies in rats and mice. These findings were not apparent in lifetime feeding studies in rats and mice confirming their transient nature. Lifetime feeding studies produced no carcinogenic response in rats or mice.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

TERATOGENICITY (BIRTH DEFECTS)

FENOXAPROP-P-ETHYL: Teratology studies were performed on fenoxaprop-p-ethyl in mice, rats, rabbits and monkeys by both oral and dermal route of exposure. No embryotoxic or fetotoxic effects were seen at doses non-toxic to the mothers.

REPRODUCTIVE EFFECTS

FENOXAPROP-P-ETHYL: Reduced pup body weight gain during lactation was observed at high doses in a two generation reproduction study in rats. There were no effects on fertility in this study.

MUTAGENICITY (GENETIC EFFECTS)

FENOXAPROP-P-ETHYL: A variety of mutagenicity studies in bacteria and mammalian cells in vitro and in vivo have shown fenoxaprop-p-ethyl is non-mutagenic.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate arable land and/or water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Empty containers should be triple rinsed into the spray tank during operation. Then 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.

RCRA CLASSIFICATION:

RCRA Hazardous Waste Ingredient: Naphthalene (U165)

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: None

DOT SHIPPING LABEL: None

15. REGULATORY INFORMATION**STATE REGULATIONS**

CALIFORNIA (Proposition 65): This product contains a chemical which is known to the State of California to cause cancer or birth defects or other reproductive harm. The following chemicals associated with the product are subject to the right-to-know regulations in these states: Naphthalene (91-20-3): CT, FL, IL, MA, MI, NJ, NY, PA, RI Glycol Ethers (123-81-9): FL, MA, PA

U.S. FEDERAL REGULATIONS

SARA TITLE III:

Section 302 (EHS) ingredients: Not listed

SARA TITLE III NOTIFICATIONS AND INFORMATION

Reportable Quantity (Pounds): 1666

SARA TITLE III - HAZARD CLASSES

Acute Health Hazard - Yes

Chronic Health Hazard - No

Fire Hazard - No

Sudden Release of Pressure Hazard - No

Reactivity Hazard - No

TSCA inventory status

These components are not listed:

Fenoxaprop-p-ethyl 6.59% (71283-80-2)

Inert ingredients, including: 93.41%

SARA 313:

Naphthalene 5.999% (91-20-3)

ENVIRONMENTAL:

CERCLA HAZARDOUS SUBSTANCE: Naphthalene 5.999% (91-20-3)

CLEAN WATER ACT SECTION 307 PRIORITY POLLUTANTS: Naphthalene 5.999% (91-20-3)

SARA EHS 304 REPORTABLE QUANTITY: Naphthalene 5.999% (91-20-3)

INTERNATIONAL REGULATIONS

Die folgende(n) Chemikalie(n), die mit dem Produkt verbunden sind, sind auch auf folgenden internationalen Listen aufgefuehrt:

Aromatic Hydrocarbon (64742-95-6): CANADIAN DSL, EINECS

Naphthalene (91-20-3): CANADIAN DSL, EINECS

Glycol Ethers (123-81-9): CANADIAN DSL, EINECS

16. OTHER INFORMATION**HAZARD RATINGS**

	HEALTH	FLAMM	REACT	OTHER
NFPA	2	1	0	

REVISED SECTIONS:

MSDS REVISION INDICATOR: New Format, Company Name and EPA Number.

PREPARED BY: Dept. of Regulatory Affairs

PHONE: 800-438-5837

SUPERCEDES MSDS DATED: 10/07/96

DISCLAIMER:

THIS INFORMATION IS PROVIDED IN GOOD FAITH BUT WITHOUT EXPRESS OR IMPLIED WARRANTY.