

**ACCLAIM® EXTRA HERBICIDE**

MSDS Version 3.4

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	ACCLAIM® EXTRA HERBICIDE
Chemical Name	fenoxaprop-p-ethyl:(+)-ethyl 2-fenoxaprop-p-ethyl:(+)-ethyl 2- {4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy}propanoate
Synonym	
MSDS Number	2
Chemical Family	benzoxazole
Chemical Formulation	
EPA Registration No.	432-950
Canadian Registrat. No.	

Bayer Environmental Science
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 USA

For Product Use Information: (800)331-2867 Monday through Friday
 8:00AM-4:30PM
 For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day
 For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

Product Use Description For selective postemergence Annual & Perennial Grass Control in Turfgrass.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Fenoxaprop-p-ethyl	71283-80-2		6.9200
Inert ingredients,including:			93.0800
NAPHTHALENE	91-20-3		6.0000
AROMATIC HYDROCARBONS	64742-95-6		35.2000
Glycol ethers	123-81-9		6.3000

NOTE: Only the regulated inert ingredients are listed.

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SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

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.
Physical State	liquid
Appearance	White to beige
Routes of Exposure	Skin absorption and mist or vapor inhalation.
Immediate Effects	
Eye	Causes moderate eye irritation. Vapors may cause eye irritation.
Skin	A slight skin irritant.
Ingestion	Harmful if swallowed. Small amounts of the solvent in this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.
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.
Signs and Symptoms	Symptoms of overexposure include headache, nausea, loss of appetite. Ingestion may induce CNS depression-like symptoms and other adverse health effects.

SECTION 4. FIRST AID MEASURES

Eye	Flush with plenty of water. Get medical attention.
Skin	Wash with soap and water.
Ingestion	If swallowed, do not induce vomiting. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	212 °C / 414 °F Method: Closed Cup
Suitable Extinguishing Media	Small Fires:., dry chemical, carbon dioxide (CO2)

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Large Fires:., foam, water, Move containers from fire area if without risk., Cool containers with water from maximum distance.

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.

SECTION 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 13 for any applicable Reportable Quantity (RQ) and other federal regulatory information.

Land Spill or Leaks

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.

SECTION 7. HANDLING AND STORAGE

Handling Procedures

Caution. Causes moderate eye injury. Harmful if swallowed. Avoid contact with eyes or clothing. Use the recommended equipment when handling this product (see Section 8).

Storing Procedures

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

Work/Hygienic Procedures

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 Personal Protective Equipment (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.

Min/Max Storage

-12 °C / 38 °C

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Temperatures

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Control airborne concentrations below the exposure guidelines. Use with adequate ventilation. Local exhaust ventilation may be necessary, when used in a confined area. Handle only in ventilated areas.

Eye/Face Protection goggles or face-shield

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

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 areas 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

Exposure Limits

NAPHTHALENE	91-20-3	ACGIH	TWA	10 ppm	
		ACGIH	STEL	15 ppm	
		NIOSH	REL	10 ppm	50 mg/m3
		NIOSH	STEL	15 ppm	75 mg/m3
		OSHA Z1	PEL	10 ppm	50 mg/m3
		OSHA Z1A	TWA	10 ppm	50 mg/m3
		OSHA Z1A	STEL	15 ppm	75 mg/m3
		US CA OEL	TWA PEL	10 ppm	50 mg/m3
		US CA OEL	STEL	15 ppm	75 mg/m3

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to beige
Physical State	liquid
Vapor Pressure	Not measured
Density	1.04 g/cm ³ at 20 °C
Boiling Point	Not Established

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable -12 - 38 °C
Hazardous Polymerization (Conditions to avoid)	Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Male Rat: LD50: 4,410 mg/kg Low toxicity. Harmful if swallowed. Female Rat: LD50: > 5,000 mg/kg Low toxicity. Harmful if swallowed.
Acute Dermal Toxicity	Rat: LD50: > 5,000 mg/kg Low toxicity.
Acute Inhalation Toxicity	LC50: > 7.6 mg/l 4 h Low toxicity.
Skin Irritation	A slight skin irritant.
Eye Irritation	Causes moderate eye injury.
Chronic Toxicity	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.

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Assessment Carcinogenicity

ACGIH

NAPHTHALENE

91-20-3

Group A4

NTP

NAPHTHALENE

91-20-3

IARC

None

OSHA

None

Reproductive & Developmental Toxicity

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.

Teratogenicity

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.

Mutagenicity

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.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, 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.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance

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 incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

RCRA Classification

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SECTION 14. TRANSPORT INFORMATION

Not Regulated for Domestic Transportation.

SECTION 15. REGULATORY INFORMATION

US Federal

EPA Registration No. 432-950

TSCA list

NAPHTHALENE 91-20-3
AROMATIC HYDROCARBONS 64742-95-6
Glycol ethers 123-81-9

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

NAPHTHALENE 91-20-3 1.0%

US States Regulatory

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State right-to-know ingredients

NAPHTHALENE 91-20-3 CA, CT, IL, MN, NJ, PA, RI
Glycol ethers 123-81-9 PA

Canadian Regulations

Canadian Registrat. No.

Canadian Domestic Substance List

NAPHTHALENE 91-20-3
AROMATIC HYDROCARBONS 64742-95-6
Glycol ethers 123-81-9

Environmental

CERCLA

NAPHTHALENE 91-20-3 100 lbs

Clean Water Section 307 Priority Pollutants

NAPHTHALENE 91-20-3

Safe Drinking Water Act Maximum Contaminant Levels

NAPHTHALENE 91-20-3

International Regulations

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EU Classification

NAPHTHALENE

91-20-3

Harmful Dangerous for the environment

R Phrases

Harmful if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases

Keep out of the reach of children. Wear suitable protective clothing and gloves. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

European Inventory of Existing Commercial Substances (EINECS)

NAPHTHALENE

91-20-3

AROMATIC HYDROCARBONS

64742-95-6

Glycol ethers

123-81-9

SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
HMIS				
NFPA	2	1	0	

MSDS REVISION INDICATOR: Company name change.

Print Date: 12/03/2002

Supersedes MSDS, which is older than: 12/03/2002

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