

1448-352

05/14/2003

1/4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Crystal W. Brown
Buckman Laboratories International, Inc.
1256 North McLean Blvd.
Memphis, TN 38108-241

MAY 14 2003

Dear Ms. Brown:

Label Amendments: First Aid Revisions Per PR Notice 2001-1
Bulab 6050
EPA Registration No. 1448-352
Your submission dated April 17, 2003

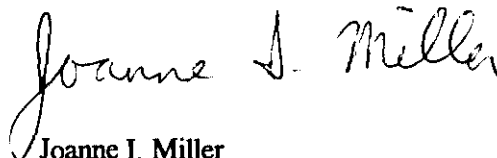
The labeling referred to above, associated with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, **provided** the following revision is made:

Under "If ingested";

Replace "ingested" with "swallowed."

In addition, this label is accepted with the following stipulation. The Agency has accepted the labeling changes that are necessary to comply with the first aid labeling requirements described in PR Notice 2001-1. **Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the first aid revisions have not been reviewed or accepted by the Agency.** If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way. A stamped copy of the label is enclosed for your records. Please submit one copy of the final printed label before you release the product for shipment.

Sincerely yours,



Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	Bien							
DATE ▶	5-14-03							



BULAB 6050

2/4

BULAB is a registered trademark.

ACTIVE INGREDIENT(S)	
Mono(N,N,-dimethyl-alkylamine**) salt of Endothall.....	53.0%
INERT INGREDIENTS	47.0%
TOTAL	100.0%

Contains 2 lbs endothall* per gallon

*7-oxabicyclo [2,2,1] heptane-2,3-dicarboxylic acid equivalent 23.36%

**Alkyl groups as derived from Coconut Oil

KEEP OUT OF REACH OF CHILDREN



DANGER POISON



FIRST AID

If in Eyes	- Hold eyes open and rinse slowly and gently with water for 15-20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor for further treatment advice.
on Clothes	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center for treatment advice.
If Ingested	- Call poison control center or doctor immediately for treatment advice. - Have person sip a glass of water, if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or doctor. - Do not give anything by mouth to an unconscious person.
If Inhaled	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FATAL IF ABSORBED THROUGH SKIN. MAY BE FATAL IF SWALLOWED. CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF INHALED. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WEAR PROTECTIVE CLOTHING, RUBBER GLOVES, AND GOGGLES OR FACE SHIELD WHEN HANDLING. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Avoid breathing spray mist.

ENVIRONMENTAL HAZARDS: Fish will be killed by dosages in excess of 0.3 ppm. Do not use where fish are important resources. Avoid contact with or drift to desirable plants or crops as injury may result. Clean out application equipment after each operation. Do not use fish from treated water for food or feed within three days after treatment. Do not use treated water for watering livestock or domestic purposes within the following periods: Up to 0.3 ppm – 7 days after application. Up to 3.0 ppm – 14 days after application. Up to 5.0 ppm – 25 days after application.

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

MAY 14 2003

1448-352



BULAB 6050

3/4

BULAB is a registered trademark.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
IRRIGATION AND DRAINAGE CANALS

Apply Bulab 6050 as a surface spray with uniform coverage or inject under the surface of the water. The minimum contact time with weeds for optimum results should be two hours.

HEAVY INFESTATION—Apply at rate of 4.0–6.75 gal per acre foot (equivalent to 3.0–5.0 ppm).

MODERATE OR LIGHT INFESTATIONS—Apply at rate of 1.4–2.7 gal per acre foot (equivalent to 1.0–2.0 ppm). See table below.

GALLONS OF BULAB 6050 REQUIRED TO TREAT 1 MILE OF DITCH, 1 FOOT DEEP

ppm	Width of Ditch or Canal in Feet								
	4	6	8	10	12	14	16	18	2022
1.0 ppm	0.7	1.0	1.3	1.7	1.9	2.3	2.6	2.9	33.6
2.0 ppm	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.9	57.2
3.0 ppm	2.0	2.8	3.9	4.9	5.9	6.8	7.8	8.9	810.8
4.0 ppm	2.6	3.9	5.2	6.6	7.8	9.1	10.4	11.8	1114.4
5.0 ppm	3.2	4.9	6.5	8.2	9.7	11.5	13.1	14.7	16418.0

Note: 1.1 pt Bulab 6050 per acre foot equals 0.1 ppm of endothall (acid). Do not use treated water for irrigation of crops.

LAKES AND PONDS

ALGAE CONTROL: Cladophora, Pithophora, Spirogyra, and Chara can be controlled with applications of 0.6–2.2 pints per acre foot (0.05–0.2 ppm) applied as a uniform surface spray or injected under water surface. Pithophora may require 0.2 ppm or higher. Dosages may be increased to 0.4–1.1 gal (0.3–0.8 ppm) where greater longevity of control is desired and for marginal treatments. Repeat treatments when algal growth reappears.

SUBMERGED AQUATICS: Due to the toxicity to fish, the use of Bulab 6050 for submerged aquatic weeds is suggested only by commercial applicators on a marginal or sectional rather than overall type treatment. Use 0.7–3.4 gal per acre foot (0.5–2.5 ppm) on a marginal treatment either sprayed on or injected below the surface. Use dosages over 1.0 ppm on very narrow margins or in areas where some fish kill is not objectionable. Do not treat more than 1/10 of the lake or pond at one time with doses in excess of 1.0 ppm.

APPROXIMATE QUANTITY OF BULAB 6050 FOR ONE ACRE* TREATMENT

Depth	Dosages for Various Concentrations in ppm								
	0.05	0.1	0.2	0.3	0.5	0.8	1.0	2.0	2.5
1 foot	0.6 pts	1.1 pts	2.2 pts	.4 gal	.7 gal	1.1 gal	1.4 gal	2.7 gal	3.4 gal
2 feet	1.1 pts	2.2 pts	4.3 pts	.8 gal	1.4 gal	2.2 gal	2.8 gal	5.4 gal	6.8 gal
4 feet	2.2 pts	4.3 pts	8.6 pts	1.6 gal	2.7 gal	4.4 gal	5.4 gal	10.9 gal	13.6 gal
6 feet	3.3 pts	6.5 pts	12.9 pts	2.5 gal	4.1 gal	6.5 gal	8.2 gal	16.3 gal	20.4 gal

* One acre equals approximately 208' x 208'

GENERAL INFORMATION

BULAB 6050 is a liquid concentrate soluble in water and is a highly effective aquatic herbicide and algaecide for use in irrigation and drainage canals, ditches, and ponds to control the following weeds and algae: Najas, Elodea, Contail, Potamogenton, Milfoil sp., Zannichellia, Vallisneria, Cladophora, Pithophora, Spirogyra, and Chara, when weeds are actively growing. Dosage rates indicated are measured in "Parts per Million" (ppm). 1.0 ppm as a dosage rate means that there would be 1 part endothall (acid) in 1,000,000 parts of water.

Necessary approval and/or permits should be obtained in the States where required. Consult state water or conservation authorities before applying to public waters or to ponds, canals, or streams which flow into public.



BULAB 6050

4/4

BULAB is a registered trademark.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. In the event of spillage during handling or storage, absorb with sand or other inert material and dispose of absorbant in accordance with the Pesticide Disposal Instructions listed below.

PESTICIDE DISPOSAL: Pesticide wastes are acutely 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 your EPA regional office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Manufactured by

Buckman Laboratories, Inc.

1256 North McLean Blvd., Memphis, Tennessee 38108, USA

(901) 278-0330 or 1-800-BUCKMAN

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-352

Product Weight 8.5 lbs/gal 1.02 kg/l

Net contents are marked on the container.

HMIS / NPCA Ratings

Health 3 Flammability 1 Reactivity 1

Last Revision

4/17/2003

