

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

1663-31

DATE OF ISSUANCE

December 17, 1996

TERM OF ISSUANCE

Conditional

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Arsenic Trioxide Technical

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Grant Laboratories  
14688 Washington Ave.  
San Leandro, CA 94579

PM 14

1663-31

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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)(7)(A) provided that you:

A. Make the labeling changes listed below before you release the product for shipment:

1. Add "EPA Reg. No. 1663-31" to your label.
2. Restructure your ingredient statement as follows:

Active Ingredient	
Arsenic Trioxide	97.5%
Inert Ingredients	2.5%
	100.0%

3. On the Front Panel, change "Statement of Practical Treatment" to "FIRST AID".

ATTACHMENT IS APPLICABLE.

SIGNATURE OF APPROVING OFFICIAL

DATE

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4. On the Front Panel above "FIRST AID", revise the text to read:

An Insecticide for Formulation Only into Registered End-Use Ant Stake Products

Add the same text directly under the misuse statement.

5. On the Back Panel, add Grant's address after their name.

Submit one copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

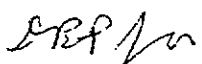
B. Within one (1) year of receipt of this Notice, submit or cite an acceptable *in vivo* mouse bone marrow cytogenic assay using a soluble salt of arsenic trioxide at the Maximum Tolerated Dose (MTD).

C. If required in the future, submit additional stability and preliminary analysis data.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



William W. Jacobs, PhD  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7504C)

- Enclosures: 1. Stamped label  
2. A-79 Enclosure

**ARSENIC TRIOXIDE TECHNICAL**

ACCEPTED  
with COMMENTS  
in EPA Letter dated

DEC 17 1996

Under the Federal Insecticide, Fungicide, and Plant Growth Regulator Act as amended, this pesticide is registered under EPA Reg. No. 1663-31

Active Ingredient:		
Arsenic trioxide .....		97.5%
Inert Ingredients .....		2.5%
		100.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER -- POISON**

A Manufacturing-Use Product for Formulation Only  
Into Registered End-Use Ant Stake Products

STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:**

Call physician or poison control center. Drink one or two glasses of water and induce vomiting by pressing the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**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. Get medical attention.

**IF IN EYES:**

Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

Grant Laboratories, Inc.'s ARSENIC TRIOXIDE TECHNICAL  
Supplemental Submission -- VOL 1  
grant/supp/vol1

**BEST AVAILABLE COPY**

REVISED PROPOSED LABELING:  
BACK PANEL

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS --

**DANGER:** Fatal if swallowed, inhaled, or absorbed through skin. Corrosive. Causes irreversible eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield or safety glasses, a mask or protective device jointly approved by MSHA and OSHA, protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, and using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS --

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS --

- FIRE AND EXPLOSION:** Fire may cause arsenic trioxide to vaporize producing a highly toxic and irritant vapor of arsenic trioxide.
- REACTIVITY HAZARDS:** Contact of arsenic trioxide with zinc, aluminum, or brass under moist conditions may lead to the generation of arsine gas which is highly toxic and can be fatal if inhaled.
- STRONG REDUCER:** Violent reaction may occur if arsenic trioxide comes into contact with oxidizing agents.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH ITS LABELING.

REVISED PROPOSED LABELING  
BACK PANEL CONTINUED

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, SOIL, FOOD, OR FEED BY STORAGE OR  
DISPOSAL.

**CONTAINER STORAGE:** Store in a cool dry place provided with automatic fire protection and which is constructed so as to allow for easy spill containment. Do not store near any oxidizing agents.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. Waste material must be disposed of in a Class I chemical landfill and must be transported as a RCRA hazardous waste and must be manifested. Contact state authorities or the regional EPA office for assistance. Waste minimization is important with this product. Avoid spills or leaving residues of product in the polyethylene liner bags.

**CONTAINER DISPOSAL:** Drums may have the polyethylene bags removed and may be offered for reconditioning and recycling. The liner bags contain arsenic waste and must be disposed of in a Class I chemical landfill pursuant to all state and federal regulations. Contact state authorities or the regional EPA office for assistance.

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Net Contents:

EPA Registration No.: 1663-\_\_\_

Manufactured for Grant Laboratories Inc. by:  
Industrias Mineras Mexico

EPA Establishment No.: 1663-MX-\_\_\_

**BEST AVAILABLE COPY**