

AL-90

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 27 1983

Under the Federal Insecticide,  
Fungicide, and Rodenticide  
Act

as amended

registered under EPA Reg. No.

10332-10

**ACTIVE INGREDIENT:**

2-(Thiocyanomethylthio)benzothiazole ..... 30%

**INERT INGREDIENTS** ..... 70%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Causes irreversible eye damage. Causes skin irritation. This product may cause allergic skin reactions. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT:** *If in eyes,* flush with plenty of water. Get medical attention. *If on skin,* wash with plenty of soap and water. Get medical attention. *If swallowed,* drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

*Note to physician:* Probable mucosal damage may contraindicate gastric lavage.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not use in offshore or estuarine drilling operations. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES Permit. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

Manufactured by  
Bayer Chemical Company  
150 Coolidge Avenue  
Watertown, MA 02172

EPA REG. NO. \_\_\_\_\_ EPA EST. NO. \_\_\_\_\_

NET CONTENTS

### DIRECTIONS FOR USE

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

**COOLING TOWERS:** AL-90 is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by spraying or painting a dispersion containing 0.5 to 0.7% AL-90 in water onto the clean wood surfaces. The amount applied should provide 0.6 to 0.8 lb. AL-90 per 1000 ft.<sup>2</sup> of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of AL-90 to the recirculating cooling water at the tower basin or cold well. The dosage should provide 1.25 lb. of AL-90 per 1000 gal. of water, and the bleedoff should be stopped for 4 to 6 hr. after treatment. The shock treatment should be repeated every four months.

**COOLING WATER:** AL-90 is used to control algae, bacteria, and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned thoroughly to remove old algal growth, microbial slime, and other deposits. System should then be drained, flushed, refilled with water, and treated with an initial dose of 0.6 to 3.7 fl. oz. of AL-90 per 1000 gal. water in the system. Subsequent additions of 0.2 to 1.2 fl. oz. per 1000 gal. should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, AL-90 is incorporated in the drilling fluid at concentrations of 0.06 to 0.25% based on the total wet weight of the fluid.

**PETROLEUM SECONDARY RECOVERY:** AL-90 is used to control sulfate reducing bacteria, slime forming bacteria and fungi in oil field water polymer, or micellar floods, water disposal systems, and other oil field water systems at dosage rates of 0.2 to 3.7 fl. oz. of AL-90 per 1000 gal. of water treated. Additions should be made continuously or intermittently by means of a metering pump at the free water knockouts, before or after injection pumps and injection well headers. **Continuous Feed Method:** When system is noticeably fouled, add 0.6 to 3.7 fl. oz. AL-90 per 1000 gal. of water continuously until desired degree of control is achieved. Then treat with 0.2 to 1.2 fl. oz. AL-90 per 1000 gal. of water continuously or as needed to maintain control. **Intermittent or Slug Method:** When system is noticeably fouled or to maintain control, add 0.6 to 3.7 fl. oz. AL-90 per 1000 gal. of water for 4 to 8 hr. per day and 1 to 4 times per week, or as needed to maintain control.

**CUTTING FLUIDS:** AL-90 is used to inhibit bacterial and fungal degradation of water based and water soluble or emulsifiable cutting fluids and coolants used in metalworking operations. It should be added to the cutting fluid at a rate that will provide 2.5 to 250 parts per million AL-90 (weight/weight) after final dilution with water. AL-90 can be added after the dilution or can be added to the concentrate before dilution at a rate of 125 to 1250 parts per million in order to provide the required concentration in the diluted fluid.

### STORAGE & DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

**GENERAL:** Consult Federal, state, or local disposal authorities for approved alternative procedures, such as limited open burning.

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (WH-567)  
WASHINGTON, D.C. 20460**

EPA REGISTRATION NO.

DATE OF ISSUANCE

TERM OF ISSUANCE

27 OCT 1983

NAME OF PESTICIDE PRODUCT

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREГИSTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Parley Chemical Company  
100 South Bay Avenue  
Watertown, MA 02172

**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 hereby registered/reregistered in accordance with FIFRA, sec. 7(a)(7)(A) provided that you:

1. Submit to the Agency all the information required for registration/reregistration of your product under FIFRA, sec. 7(a)(7)(A) and the Agency receives all the information on or before the date of the next such date.

2. All the information is submitted to you before the date of the product's registration.

3. All the information is submitted to you before you submit the product for registration/reregistration to the Agency.

4. All the information is submitted to you before you submit the product for registration/reregistration to the Agency.

5. All the information is submitted to you before you submit the product for registration/reregistration to the Agency.

6. All the information is submitted to you before you submit the product for registration/reregistration to the Agency.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE