

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (73-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO. 79330-3	DATE OF ISSUANCE JUN 17 1987
TERM OF ISSUANCE	
NAME OF PESTICIDE PRODUCT AL-40	

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

ALCOA CHEMICAL COMPANY  
100 GEORGETOWN BLVD  
P.O. BOX 111  
ALCOA, PA 17007

**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.

... (7) ... that you ...  
... date required for registration ...  
... to start ...  
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... product ...  
... the product for ...  
... conditions are not ... the registrant will ...  
... statement of the product ...  
... of the product ...

*John A. Lee*  
John A. Lee  
Registration Division (73-767)

ENCLOSURES

ATTACHMENT IS APPLICABLE

**BEST AVAILABLE COPY**

SIGNATURE OF APPROVING OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

2/2  
AL-40

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

JUN 17 1987

**INDUSTRIAL MICROBICHE**

**ACTIVE INGREDIENTS:**

Methylene bis(thiocyanate)  
2-(Thiocyanomethylthio)benzothiazole

**INERT INGREDIENTS**

This product weighs 7.99 pounds per gallon

Under the Federal Insecticide, Fungicide, and Rodenticide Act, recommended for the pesticide registered under EPA Reg. No. 39330-3 25% 95.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, causes irreversible eye damage and causes skin damage. Harmful or fatal if swallowed or absorbed through the skin. This product is a potential skin sensitizer. Workmen handling this product or treated material should wear impervious gloves, goggles or face shield, and protective clothing. All protective clothing, work shoes or boots, and equipment must be left at the work site at the end of the day. Eating, drinking, or smoking during use of this product is prohibited.

**FIRST AID:** In case of skin contact, wash promptly and thoroughly with soap and water and finally with glycerin. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for 15 to 30 minutes. Get medical attention immediately. If product is swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not expose to extreme temperatures.

**STORAGE & DISPOSAL**

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

**STORAGE:** Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE**

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

**COOLING TOWERS:** AL-40  
wood against soft or surface rot and internal or dry rot. It is a wood preservative containing 2.0 to 2.8% AL-40 on wood surfaces. The amount applied should provide 2.4 to 3.2 lb AL-40 per 1000 ft<sup>2</sup> of wood surface. Soft or surface rot can also be controlled by AL-40 to the recirculating well. The dosage should provide 5.0 lb of AL-40 per 1000 ft<sup>2</sup> of wood surface. The bleedoff should be stopped for 4 to 6 hr after application and repeated every four months.

**COOLING WATER:** AL-40  
and fungi in industrial recirculating cooling water systems should be cleaned thoroughly to remove old algal growth, microorganisms, and debris. The system should then be drained, flushed, refilled with water, and treated with AL-40 per 1000 gal of water. A dosage of 0.8 to 4.8 fl oz per 1000 gal should be made every 1 to 5 days to control seventy percent of microbiological fouling.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of drilling fluids, AL-40 concentrations of 0.2 to 1.0% based on the total wet weight of the fluid should be used. AL-40 control sulfate-reducing bacteria, lime-forming bacteria, and micellar floccs, water disposal systems, and other oil-field water disposal systems. AL-40 per 1000 gal of water should be made continuously or intermittently by means of a metering pump after injection pumps and injection well headers. Continuous treatment should be added until desired degree of control is achieved. AL-40 per 1000 gal of water should be added.

**CRUDE AND REFINED OILS:** AL-40  
valve for the control of bacteria and fungi that cause the degradation of oil during storage. It should be added to the oil as it is being transferred to a storage tank at the rate of 2.4 to 24.0 fl oz AL-40 per 1000 gal of oil. Addition should be made batchwise where mixing occurs or by a transfer pump.

**NET CONTENTS**

Manufactured by:  
ALLION CHEMICAL COMPANY  
P.O. BOX 114  
109 GEORGETOWN BLDG.

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

NET CONTENTS \_\_\_\_\_