



Chemicals Division

47371-29

# Formulation HL-69D

(FOR INDUSTRIAL USE ONLY)

## DIRECTIONS FOR USE

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

**NOTE:** Add HL-69D separately to the system. Do not mix it with other additives to avoid any possible incompatibilities.

**OPEN RECIRCULATING COOLING SYSTEMS: INITIAL DOSE:** When microbiological slimes are evident, apply 9.3 to 18.6 fluid ounces of HL-69D per 1000 gallons (75 ppm to 150 ppm) of water in the system. Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun. **SUBSEQUENT DOSE:** When microbiological control is evident, apply 6.2 to 12.4 fluid ounces of HL-69D per 1000 gallons (50 ppm to 100 ppm) of water in the system once per week, or as needed to maintain control.

**FEEDING:** HL-69D should be fed at full strength in the cooling tower basin at a point of maximum water circulating. Tower bleedoff valves should be closed to permit a retention time of 4 hours.

**PAPER MILLS:** Dosage will vary from 4.8 to 9.6 fluid ounces of HL-69D per ton of finished paper depending on the type of stock, complexity of the system, quality of raw water, and type and degree of contamination.

**FEEDING:** HL-69D may be drip fed continuously from the drum or led by suitable chemical pumps such as adjustable proportioning types, variable speed, positive displacement type, or by the reciprocating type. This product should be fed as early as possible in the system at such points including the hydro-pulper, machine chest or broke system.

**Active Ingredients:**

N-alkyl (60% C14, 5% C12, 30% C16, 5% C18) Dimethyl Benzyl Ammonium Chloride 12.50%

Bis (Tri-n-Butyl) Oxide 2.25%

**Inert Ingredients:** 85.25%

## **DANGER: KEEP OUT OF REACH OF CHILDREN ONLY FOR SALE TO, USE, AND STORAGE BY BY SERVICE PERSONS**

### STATEMENT OF PRACTICAL TREATMENT

In case of skin contact, wash with plenty of soap and water. For eyes, flush with water for 15 minutes and get prompt medical attention. Remove and wash contaminated clothing before reuse. 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. Call a physician immediately.

**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

Corrosive. Causes eye damage and skin irritation. May be absorbed through the skin. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Water treated with HL-69D should not be used for food processing, irrigation or in the manufacture of paper used for food packaging.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency.

#### PHYSICAL AND CHEMICAL HAZARDS

HL-69D is a cationic germicide. Do not mix with soap or anionic materials. Do not use or store near heat or open flame.

### STORAGE AND DISPOSAL

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Do not contaminate water, food, or feed by storage or disposal. Open burning is prohibited. Do not reuse empty container.

### PESTICIDE DISPOSAL

Pesticide, spray mixture, or residue 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. Consult federal, state, or local authorities for approved alternative procedures such as limited open burning.

**KEEP FROM FREEZING**

EPA Reg. No. 303.151 EPA Est. No. 303.151