

See MSDS for exposure limits of components.

This label is UCC BUSINESS CONFIDENTIAL and shall not be distributed to anyone unless duly authorized by the Manager, Regulatory Affairs.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner...

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS**

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. May cause skin sensitization.

Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Do not swallow.

Wear goggles, protective clothing, and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**STORAGE AND HANDLING**

PIROR® 850 Slimicide and Water Treatment Microbiocide solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -21°C (-6°F). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100°F can be tolerated but the preferred maximum storage temperature is about 80°F.

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

**STORAGE AND DISPOSAL**

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** (Metal Containers or Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a container (initial, or other procedures approved by state and local authorities. Do not cut or weld on or near metal containers. Plastic Containers: May be incinerated, if allowed by state and local authorities. If burned, stay out of smoke. Metal Containers: Must not be incinerated.



**850  
SLIMICIDE and  
WATER  
TREATMENT  
MICROBICIDE**

ACCEPTED  
JUL 31 1987

AMICROBICIDE CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA, FUNGI, YEASTS AND ALGAE IN PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS, WATER BASED COATINGS FOR PAPER AND PAPERBOARD, BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WATER SYSTEMS, AIR WASHERS, RECIRCULATING COOLING WATER SYSTEMS, AND HEAT TRANSFER SYSTEMS

Under the Fungicide, and Rodenticide Act, as amended, registered under No. 10352-37

Active Ingredient: Glutaraldehyde . . . . . 50.0%  
Inert Ingredients: . . . . . 50.0%  
100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.  
**IF ON SKIN:** Immediately wash with plenty of soap and water. Get medical attention.  
**IF INHALED:** Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.  
**IF SWALLOWED: DO NOT INDUCE VOMITING.** Do not give anything to drink. Seek medical advice with urgency.  
Note to physician: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

**UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC.  
SPECIALTY CHEMICALS DIVISION**

39 Old Ridgebury Road Danbury, CT 06817-0001 EPA Est. No. 10352-WV-2  
EPA Reg. No. 10352-37 UCC-L72117 (C )  
PIROR® is a registered trademark of Union Carbide Corporation Made in USA  
Net Weight 5 or 55 gallons PEO392

DOT SHIPPING NAME	CORROSIVE LIQUID, N O S (CONTAINS GLUTARALDEHYDE)	UN 1700 UN NUMBER	72117 PRODUCT CODE	CONTAINER SIZE 35 GALLONS	CONTAINER SIZE 5 GALLONS
HAZ SHIPPING NAME	CORROSIVE LIQUID, N O S (CONTAINS GLUTARALDEHYDE)	1700 UN NUMBER		300 POUNDS NET WEIGHT	45 POUNDS NET WEIGHT

**EMERGENCY CONTACT (24 HOURS PER DAY)  
IN USA: 1-800-UCC-HELP (1-800-822-4357)  
OUTSIDE USA: 01-304-744-3487**

**PAPER MILLS AND PAPER MILL PROCESS**  
PIROR® 850 Slimicide and Water Treatment Microbiocide the paper making system at a point of uniform mixing such as a sludge chest pump, save-all tank, or white-water tank.

**Initial Dose:** When the system is noticeably contaminated with sludge, PIROR® 850 Slimicide and Water Treatment Microbiocide (dry basis) as a slug dose. Repeat until control is achieved. Fouled systems should be boiled out prior to initial treatment.  
**Subsequent Dose:** When microbial control is evident, PIROR® 850 Slimicide and Water Treatment Microbiocide (dry basis) as a slug dose as necessary to maintain control.

**WATER BASED COATINGS, PIGMENTS AND PAPERBOARD**

Add sufficient quantities of PIROR® 850 Slimicide and Water Treatment Microbiocide to produce a concentration of 100-200 ppm formulated slurry (1-6 lb. of PIROR® 850 Slimicide and Water Treatment Microbiocide per 10,000 lb. of slurry).

**BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WATER**

PIROR® 850 Slimicide and Water Treatment Microbiocide the system at a point of uniform mixing such as a sludge chest pump, weir box, or diffuser feed water pump. Intermittently (SLUG DOSE) or continuously.

**INTERMITTENT (SLUG DOSE)**

**Initial Dose:** When the system is noticeably contaminated with sludge, 200-500 ppm (product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton of sliced beets as a slug dose until control is achieved.

**Subsequent Dose:** When microbial control is evident, 30-300 ppm (product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton of sliced beets in the system as a slug dose until control is achieved. The total should not exceed 106 gallons per day.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably contaminated with sludge, 200-500 ppm (product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton of beets sliced per minute in automatic pump of suitable construction.  
**Subsequent Dose:** When microbial control is evident, 30-300 ppm (product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton of beets sliced per minute in automatic pump of suitable construction. The total should not exceed 106 gallons per day.

### AIR WASHERS AND RECIRCULATING COOLING WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. PIROR® 850 Slinicide and Water Treatment Microbiocide should be added at the application rates described below, to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with PIROR® 850 Slinicide and Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

#### INTERMITTENT (SLUG DOSE) METHOD:

**Initial Dose:** When the system is noticeably fouled, apply 11.5-69.0 fluid ounces (100-600 ppm product) of PIROR® 850 Slinicide and Water Treatment Microbiocide per 1000 gallons of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 4.6-69.0 fluid ounces (40-600 ppm) of PIROR® 850 Slinicide and Water Treatment Microbiocide per 1000 gallons of water in the system weekly, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

#### CONTINUOUS FEED METHOD

**Initial Dose:** When the system is noticeably fouled, apply 11.5-69.0 fluid ounces (100-600 ppm product) of PIROR® 850 Slinicide and Water Treatment Microbiocide per 1000 gallons of water in the system.

**Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 4.6-23.0 fluid ounces (40-200 ppm) of PIROR® 850 Slinicide and Water Treatment Microbiocide per 1000 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

### HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Hydrostatic Stenizers and Retors and Pasteurizers and Warmers)

PIROR® 850 Slinicide and Water Treatment Microbiocide should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. This warranty does not extend to, and the Buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

