



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7504C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
6836-258

Date of Issuance:  
OCT 02 2000

Term of Issuance:  
Conditional

Name of Pesticide Product:  
ISOCIL RW 1.5

NOTICE OF PESTICIDE:  
Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

LONZA, Inc.  
17-17 Route 208  
fair Lawn, NJ 07410

**Note:** Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

Based on your response to the Reregistration Eligibility Document for Methylothiazolinone, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

2. Make the following labeling changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 6836-258".
- b. Place the appropriate EPA Establishment No. on the product labeling.

Signature of Approving Official:

Marshall Swindell, Product Manager 33,  
RMBI, AD

Date:

OCT 02 2000

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- c. The word, PELIGRO, should be added to the product labeling, following the signal word.
- d. Change the subheading, Statement of Practical Treatment to First Aid.
- e. Revise the First Aid statements to read as follows:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

Call a poison control center or doctor for treatment advice.

IF ON SKIN OF CLOTHING:

Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice

Have a person sip a glass of water if able to swallow

Do not induce vomiting unless told to do so by poison control center or doctor

For additional information in case of emergency call toll free (Telephone Number).

Have the product container or label with you when calling a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air.

If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Call a poison control center or doctor for further treatment advice.

- f. Add the following statements to the, Note to Physician section to read as follows:

- technical information on symptoms,
- use of supportive treatments to maintain life functions,
- medicine that will counteract the specific physiological effects of the pesticide,
- company telephone number to specific medical personnel who can provide specialized medical treatment.

- g. Modify the Hazards to Humans and Domestic Animals section to read as follows:

DANGER PELIGRO

Corrosive. Causes irreversible eye damage or skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove Contaminated clothing and wash before reuse.

- h. Add a Personal Protective Equipment (PPE) section to the product labeling to read as follows:

Mixers, loaders, and others exposed to this product must wear:

- coveralls over long-sleeved shirt and long pants,
- chemical resistant gloves (such as or made of any waterproof material)
- socks and chemical resistant footwear,
- goggles or face shield, and
- chemical resistant apron.

- i. Place the Physical and Chemical Hazards section under the Environmental Hazards section to read as follows:

Physical and Chemical Hazards:

This product has the potential to evolve gas (largely carbon dioxide) during distribution, storage, use and disposal.

k. Place the Storage and Disposal section directly below the misuse statement to read as follows:

Storage and Disposal

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

**PESTICIDE STORAGE:** The product as supplied evolves gas (largely carbon dioxide) slowly. To prevent buildup of pressure the product in the original package when not in use. Container must be stored and transported in an up-right position to prevent spilling the contents through the vent.

**PESTICIDE DISPOSAL:** Pesticide wastes are acute hazardous.....at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

**METAL CONTAINERS:** Triple rinse ....and local authorities.

**PLASTIC CONTAINERS:** Triple rinse....stay out of smoke.

**GENERAL.....APPROVED ALTERNATIVE PROCEDURES.**

3. Submit two copies of the revised final printed label for the record.

The Confidential Statement of Formula dated September 15, 1999, is acceptable.

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

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

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7505C)

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**  
**CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS**  
**THIS PRODUCT MAY CAUSE SKIN SENSITIZATION REACTIONS IN SOME PEOPLE**  
**HARMFUL IF SWALLOWED OR INHALED**

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

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Mixers, loaders and others exposed to methylisothiazolinone products must wear:

- protective eyewear
- chemical-resistant gloves
- long-sleeve shirt and long pants
- chemical-resistant apron
- shoes plus socks

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

**ENVIRONMENTAL HAZARDS**

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. Do not apply in marine and/or estuarine oil fields. 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 Elimination 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.

**ISOCIL RW 1.5**

INDUSTRIAL MICROBICIDE FOR USE IN RECIRCULATING WATER COOLING TOWERS, WOOD, MOLD AND MILDEW CONTROL, PULP AND PAPER MILLS, OIL FIELD INJECTION WATERS AND AIR WASHER SYSTEMS

Active Ingredients:

5-chloro-2-methyl-4-isothiazolin-3-one .....	1.11%
2-methyl-4-isothiazolin-3-one .....	0.39%

Inert Ingredients .....	98.50%
Total .....	100.00%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush with plenty of water for at least 15 minutes. Call a physician.  
**IF ON SKIN:** Wash thoroughly with soap and water. Get medical attention.  
**IF SWALLOWED:** Do not induce vomiting. 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.  
**IF INHALED:** Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**NOTE TO PHYSICIAN:**

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

LOT  
DRUM

Net Contents \_\_\_\_\_

MANUFACTURED FOR:  
LONZA INC.  
17-17 ROUTE 208  
FAIR LAWN, NJ 07410

EPA Reg. No. 6836-258  
EPA Est. No.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 0 2 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

6836-258

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### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

Isocil RW 1.5 aids in the control of bacterial, fungal and algal slimes in industrial recirculating cooling water systems, oil field injection waters, air washer systems, wood and wood products, and pulp and paper mills.

### INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

To control bacteria, fungi and algae add Isocil RW 1.5 to the tower basin, distribution box or other point that insures uniform mixing. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**INITIAL DOSE:** When the system is noticeably fouled, treat with 150 to 867 ppm of Isocil RW 1.5 (2.25 to 13 ppm active), by adding 1.3 to 7.2 pounds or 19 to 109 fluid ounces of Isocil RW 1.5 for every 1,000 gallons of system water. Repeat as often as necessary until microbial control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, treat with 33 to 233 ppm Isocil RW 1.5 (0.5 to 3.5 ppm active), by adding 0.28 to 1.9 pounds or 4.2 to 29 fluid ounces of Isocil RW 1.5 for every 1,000 gallons of system water. Repeat dosage 2 to 3 times per week, or as frequently as needed to maintain biocontrol.

### OIL FIELD INJECTION WATERS

Isocil RW 1.5 controls slime-forming and sulfate-reducing bacteria in oil and gas field water systems, including enhanced recovery injection, drilling, fracturing and completion fluids. This product may be used for terrestrial and off-shore drilling muds and packer fluids.

**INITIAL DOSE:** When the system is noticeably fouled, treat with 150 to 867 ppm of Isocil RW 1.5 (2.25 to 13 ppm active), by adding 53 to 304 pounds or 6.2 to 36 gallons of Isocil RW 1.5 for every 1,000 barrels of system water. Repeat slug dosage every three days, or as frequently as needed to achieve microbial control.

**SUBSEQUENT DOSE:** When microbial control is evident, treat with 33 to 233 ppm of Isocil RW 1.5 (0.5 to 3.5 ppm active), by adding 12 to 82 pounds or 1.4 to 9.6 gallons of Isocil RW 1.5 for every 1,000 barrels of system water. Repeat slug dosage every seven days, or as frequently as needed to maintain control.

### AIR WASHER SYSTEMS

Add Isocil RW 1.5 to the air washer or chill water sump to insure uniform mixing. Use only in industrial air washer systems that maintain effective mist eliminating components. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**INITIAL DOSE:** When the system is noticeably fouled, treat with 150 to 867 ppm of Isocil RW 1.5 (2.25 to 13 ppm active), by adding 1.3 to 7.2 pounds or 19 to 109 fluid ounces of Isocil RW 1.5 for every 1,000 gallons of system water. Repeat as often as necessary until microbial control is achieved.

**SUBSEQUENT INTERMITTENT OR SLUG DOSE:** When microbial control is evident, treat with 33 to 233 ppm Isocil RW 1.5 (0.5 to 3.5 ppm active), by adding 0.28 to 1.9 pounds or 4.2 to 29 fluid ounces of Isocil RW 1.5 for every 1,000 gallons of system water. Repeat dosage weekly, or as frequently as needed to maintain biocontrol.

### AIR WASHER SYSTEMS (continued)

**SUBSEQUENT CONTINUOUS FEED DOSE:** When microbial control is evident, treat with 33 to 233 ppm Isocil RW 1.5 (0.5 to 3.5 ppm active), by adding continuously 0.28 to 1.9 pounds or 4.2 to 2.9 fluid ounces of Isocil RW 1.5 for every 1,000 gallons of system makeup water.

### WOOD AND WOOD PRODUCTS

Isocil RW 1.5 is recommended for the protection of wood and wood products such as landscape timbers, fences, posts, terrestrial-use pilings, cross ties, decks, and similar exterior structures from mold and mildew. As a pressure treatment for mold and mildew control for southern yellow pine hemlock, ponderosa pine and other soft woods, treat with 263 to 840 ppm of Isocil RW 1.5 (4.0 to 12.6 ppm active), by adding 2.2 to 7.0 pounds or 33 to 105 fluid ounces of Isocil RW 1.5 for every 1,000 gallons. Thoroughly wet and allow to dry. A single application will provide protection for 12 weeks.

### PULP AND PAPER MILLS

Add Isocil RW 1.5 to a point in the system, such as the Beater, Hydropulper, or Fan or Broke storage pumps, that insures uniform mixing. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**DOSAGE:** Add 0.44 to 1.5 pounds of Isocil RW 1.5 per ton (dry basis) of pulp or paper produced as a slug dose. Repeat as often as necessary.

Isocil RW 1.5 weighs 8.50 pounds per gallon.

### STORAGE AND DISPOSAL

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

The product as supplied evolves gas (largely carbon dioxide) slowly. To prevent buildup of pressure, the product is packaged in specially vented container. Keep this product in the original container when not in use. Container must be stored and transported in an upright position to prevent spilling the contents through the vent.

### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 the nearest EPA Regional Office for guidance.

### CONTAINER DISPOSAL

**METAL CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 02 2000

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Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

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