



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 25, 2017

Leesha Square
Regulatory Specialist
Lonza, Inc.
90 Boroline Road
Allendale, NJ 07401

Subject: Notification per PRN 98-10 – Revised Directions for Use Section
Product Name: Isocil IG-C
EPA Registration Number: 6836-259
Application Date: March 7, 2017
Decision Number: 527397

Dear Ms. Square:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Terria Northern at 703-347-0265 or via email at northern.terria@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Hebert", written over a horizontal line.

for

John Hebert, Branch Chief
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

ISOCIL IG-C

MICROBICIDE IN-CONTAINER AND INDUSTRIAL PRESERVATIVE

Active Ingredients:	
5-Chloro-2-methyl-4-isothiazolin-3-one	1.11%
2-methyl-4-isothiazolin-3-one	0.39%
Other Ingredients:	<u>98.50%</u>
	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

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 eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

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

EPA Reg. No. 6836-259
EPA Est. No. (insert EPA Establishment No. here)
NET CONTENTS _____
[Country of origin (insert country)]
[Manufactured in (insert country)]
[Barcode]

Manufactured for:
LONZA INC.
90 Boroline Rd.
Allendale, NJ 07401

NOTIFICATION

6836-259

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

04/25/2017

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

DANGER. CORROSIVE. Causes eye damage and skin burns. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. May be harmful if inhaled. May be fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. 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. Do not contaminate water by cleaning of equipment or disposal of waste.

(Note to reviewer: For Nonrefillable Containers for -Ready-To-Use Product 5 gallons or less – no container rinsing directions, not a dilutable per PRN 2007-4)

STORAGE AND DISPOSAL

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

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

(or)

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

(Note to reviewer: For Nonrefillable Containers for -Ready-To-Use Product over 5 gallons – no new container rinsing directions, not a dilutable per PRN 2007-4)

STORAGE AND DISPOSAL

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

Pesticide Storage:

Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of 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:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

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

(Metal Containers:) Triple rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. DO NOT cut or weld metal containers.

DIRECTIONS FOR USE:

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

Isocil IG-C is an in-container preservative for the control of bacteria and fungi in industrial and household consumer products including all purpose liquid cleaners; polishers and anti-tarnish products; air fresheners and carpet shampoos; prespotters; liquid dishwashing detergents; automotive appearance products such as cleaners, wax and polishes; liquid laundry products; package utility products such as premoistened sponges and mops; paints and coatings.

Isocil IG-C preserves and controls the growth of bacteria and fungi in adhesives, polymer emulsions and natural latex, surfactant solutions, mineral and pigment slurries and dispersions; **concrete admixtures**, water-based building compounds, caulks and sealants; pesticides for non-food applications, including fungicides, herbicides, insecticides, repellents and biopesticides. Add 0.5 to 4.0 lbs Isocil IG-C (227 - 1814 g) to each 1000 lbs. (463.6 kg) of product to be treated to provide 8 - 63 ppm active isothiazolones. To ensure uniform distribution, slowly disperse Isocil IG-C into product with agitation. Mix thoroughly until evenly dispersed throughout product.

METALWORKING FLUID PRESERVATION

Isocil IG-C is used for the control of bacteria and fungi in soluble and emulsifiable-type aqueous metal working fluids.

For the maintenance of a nonfouled system, use Isocil IG-C at 33 fl. ounces (2.2 lbs.) per 1000 gallons of emulsion every 4 weeks or 33 - 141 fl. ounces (2.2 - 9.5 lbs.) per 1000 gallons of emulsion every 8 - 12 weeks.

For a noticeably fouled system use an initial dose of 66 - 141 fl. ounces (4.5 - 9.5 lbs.) per 1000 gallons of emulsion to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. A higher dosage and / or increased frequency of treatment may be required depending upon the rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

Isocil IG-C must be dispensed into the use-solution of the metalworking fluid using a metering pump and uniformly dispersed throughout the system.

METAL CLEANING FLUID PRESERVATION

Isocil IG-C is used as a preservative for use in the manufacture and use of alkaline, acid and emulsion-based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing and general metal cleaning operations.

For addition to a metal cleaning concentrate, add Isocil IG-C at a level to ensure that the final use-dilution fluid will contain 420 - 1670 ppm product (6.25 - 25 ppm active isothiazolones).

For direct addition to a fouled system, add 52.5 - 210 fl. ounces (3.6 - 14.4 lbs.) of Isocil IG-C to each 1000 gallons of use-dilution metal cleaning fluid every 3 to 4 weeks to provide 420 - 1670 ppm product (6.25 - 25 ppm active isothiazolones). A higher dosage range and / or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

Isocil IG-C must be dispensed into the use-dilution of the metal cleaning fluid using a metering pump and uniformly dispersed throughout the system.

WATER-BASED HYDRAULIC FLUID PRESERVATION

Isocil IG-C is used as a preservative for use in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume of mineral oil using an oil soluble emulsifying agent.

For maintenance of a non-fouled system, use Isocil IG-C at 108 -133 fl. ounces (7.3 - 9.0 lbs) per 1000 gallons fluid every 8 weeks.

For a noticeably fouled system use an initial dose of 133 - 224 fl. ounces (9.0 - 15.1 lbs.) per 1000 gallons fluid followed by subsequent maintenance dosage. A higher dosage range and / or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

Isocil IG-C must be dispensed into the use-dilution of the hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

AIR WASHER SYSTEMS

Add Isocil IG-C to the air washer sump 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 IG-C (2.25 to 13 ppm of active) by adding 19 to 109 fl. ounces (1.3 to 7.2 lbs.) of Isocil IG-C for every 1000 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 of Isocil IG-C (0.5 to 3.5 ppm active) by adding 4.2 to 29 fl. ounces (0.28 to 1.9 lbs.) of Isocil IG-C for every 1000 gallons of system water. Repeat dosage weekly, or as frequently as needed to maintain biocontrol.

SUBSEQUENT CONTINUOUS FEED DOSE: When microbial control is evident, treat with 33 to 233 ppm of Isocil IG-C (0.5 to 3.5 ppm active) by adding 0.28 to 1.9 lbs. or 4.2 to 29 fl. ounces of Isocil IG-C for every 1000 gallons of system makeup water. Repeat dosage weekly, or as frequently as needed to maintain biocontrol.

INDUSTRIAL PROCESS WATER SYSTEMS

Isocil IG-C is used as a preservative for the control of bacteria and fungi in pretreatment system and process waters used for washing metal or plastic parts and/or paint reduction. Add Isocil IG-C to some other point in the system to insure uniform mixing. Badly fouled systems must be precleaned before treatment is begun.

INITIAL DOSE: When the system is noticeably fouled, add 2.46 to 7.46 lbs. (37 to 113 fl. ounces) of Isocil IG-C to each 1000 gallons of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 1.25 to 1.86 lbs. (19 to 28 fl. ounces) of Isocil IG-C to each 1000 gallons of water. in the system weekly or as needed to maintain control.

ELECTRODEPOSITION SYSTEMS

Isocil IG-C is used as a tankside additive for the control of bacteria, fungi and algae in recirculating electrodeposition systems and associated rinse systems.

Isocil IG-C may also be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

TANKSIDE ADDITION TO ELECTRODEPOSITION SYSTEMS

Isocil IG-C must be dispensed into the recirculating rinse system, ultrafilter permeate or final distilled rinse system at a point to ensure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, add 667 - 2333 ppm Isocil IG-C (6.7 - 23 gallons per 10,000 gallons of fluid in the system). This will provide 10 to 35 ppm of active ingredient. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 333 - 1000 ppm Isocil IG-C (3.3 - 10 gallons per 10,000 gallons of fluid in the system) weekly or as needed to maintain the system. This will provide 5 - 15 ppm of active ingredient. A change of frequency of treatment may be required depending upon the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS

INITIAL DOSE OF PAINT COMPONENTS:

Isocil IG-C must be added to the resin, pigment or other component of the electrodeposition paint at a level to ensure that the final use dilution will contain 333 - 2333 ppm product (5-35 ppm active ingredient).

SUPPLEMENTAL TANKSIDE DOSING OF ELECTRODEPOSITION SYSTEM:

If additional microbial control is necessary, Isocil IG-C may be added to the electrodeposition system tankside to supplement microbicide incorporated through paint components.

If the system becomes noticeably fouled, add 667 - 2333 ppm Isocil IG-C (6.7 - 23 gallons per 10,000 gallons of fluid in the system). This will provide 10 to 35 ppm of active ingredient. Repeat until control is achieved.

When microbial control is evident, add 333 - 1000 ppm Isocil IG-C (3.3 - 10 gallons per 10,000 gallons of fluid in the system) weekly or as needed to maintain the system. This will provide 5 - 15 ppm of active ingredient.

NOTE: Regardless of the manner of incorporation the total active ingredient level in the system must not exceed 35 ppm (equivalent to 2333 ppm Isocil IG-C or 23 gallons per 10,000 gallons system fluid).