LONZA INC.
90 BOROLINE ROAD
ALLENDALE, NEW JERSEY 07401 USA
EMERGENCY TEL NO. 309-697-7200

Lonza

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0

UN2922
CORROSIVE LIQUID, TOXIC, N.O.S.
(5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE)

Manufactured for Lonza Inc.

ISOCIL™ MW-14

INDUSTRIAL MICROBICIDE FOR USE IN METAL WORKING FLUIDS, METAL CLEANING FLUIDS, HYDRAULIC FLUIDS, RECIRCULATING ELECTRODEPOSITION SYSTEMS AND AS AN INDUSTRIAL PRESERVATIVE.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye damage and skin burns. Fatal if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. May be fatal if swallowed. Harmful if 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 must:
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 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.

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. The product as supplied evolves gas (largely carbon dioxide) slowly. To prevent buildup of pressure, the product is packaged in a 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 :
Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.
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. DO NOT cut or weld metal containers.
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.

Active Ingredient:	
5-Chloro-2-methyl-4-isothiazolin-3-one	10.80%
2-Methyl-4-isothianzolin-3-one	3.83%
Inert Ingredients	85.37%
Total :	100.00%

EPA Reg. No. 6836-240 EPA Est.. No. 87857-CHN-001

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

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 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.

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.

METAL WORKING FLUID PRESERVATION:
Isocil MW-14 microbiocide 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 MW-14 at 3.5 fluid ounces (0.3 lbs.) per 1000 gallons of emulsion every 4 weeks or 3.5 - 16 fluid ounces (0.3-1.3 lbs.) per 1000 gallons of emulsion every 8-12 weeks. For a noticeably fouled system use an initial dose of 7-16 fluid ounces (0.6-1.3 lbs.) per 1000 gallons of emulsion to be followed by subsequent maintenance dosages depending upon 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 MW-14 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 MW-14 microbiocide 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 MW-14 microbiocide at a level to ensure that the final use-dilution fluid will contain 56 to 225 ppm product (6.25 - 25 ppm active isothiazolones).

For direct addition to a fouled system, add 7.2-29 fluid ounces (0.6-2.3 lbs.) of Isocil MW-14 microbiocide to each 1000 gallons of use-dilution metal cleaning fluid every 3 to 4 weeks to provide 56 to 225 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 MW-14 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 MW-14 microbiocide 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 of mineral oil using an oil-soluble emulsifying agent.

For maintenance of a non-fouled system, use Isocil MW-14 microbiocide at 12-15 fluid ounces (1.0-1.2 lbs.) per 1000 gallons fluid every 8 weeks. For noticeably fouled system use an initial dose of 15-25 fluid ounces (1.2-2.0 lbs.) per 1000 gallons of 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 MW-14 must be dispensed into the use-dilution of the hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

TANKSIDE ADDITION TO ELECTRODEPOSITION SYSTEMS
Isocil MW-14 microbiocide 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 89-313 ppm Isocil MW-14 microbiocide (0.7-2.5 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 45-134 ppm Isocil MW-14 microbiocide (0.4-1.1 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 of severity of contamination, level of control required, filtration effectiveness, system design, etc.

TREATMENT OF ELECTODEPOSITION PAINT COMPONENTS
INTIAL DOSE OF PAINT COMPONENTS: Isocil MW-14 must be added to the resin, pigment or other component of the electodeposition paint at a level to ensure that the final use-dilution will contain 45-313 ppm product (5-35 ppm active ingredient).

SUPPLEMENTAL TANKSIDE DOSING OF ELCTRODEPOSITION SYSTEM
If additional microbial control is necessary, Isocil MW-14 microbiocide may be added to the electrodisposition system tankside to supplement microbiocide incorporated through paint components.

If a system becomes noticeably fouled, add 89-313 ppm of Isocil MW-14 microbiocide (0.7-2.5 gallons per 10,000 gallons of fluid in the system). This will provide 10-35 ppm of active ingredient. Repeat until control is achieved.

When microbial control is evident, the system can be maintained by addition of 45-134 ppm Isocil MW-14 microbiocide (0.4-1.1 gallons per 10,000 gallons of fluid in the system) weekly or as needed. 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 313 ppm Isocil MW-14 or 2.5 gallons per 10,000 gallons system fluid).

DANGER

POISON

INDUSTRIAL PRESERVATIVE
Isocil MW-14 preserves and aids in the control of bacteria and fungi in water-based paints and coatings, water-soluble and water-dispersed adhesives (animal or vegetable glues, natural or rubber latices, synthetic polymer latices, tackifiers derived from rosin and hydrocarbon resins). Add 0.05-0.4 lbs. of Isocil MW-14 to each 1000 lbs. of product to be treated to provide 7.5-60 ppm of active isothiazolones.
Isocil MW-14 preserves and controls the growth of bacteria in the manufacture and storage of dispersed pigments, such as kaolin clays, titanium dioxide and calcium carbonate. Add 0.1-0.3 lbs. of Isocil MW-14 to each 1000 lbs. of product to be treated to provide 15-45 ppm active isothiazolones.
Isocil MW-14 can be used as a preservative for pesticide products applied to growing crops. Add up to 0.015 lbs. (2.25 ppm active isothiazolones) to each 1000 lbs. of product.

Isocil MW-14 microbiocide weighs 10.4 lbs./gal.

MADE IN CHINA

STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO.
9899.61

PROD. N0. (P) **201763**

LOT NO. (S)

WEIGHT. (Q) **440 lb.** **200.00 kg.**

6411D 20120529

ISOCIL™ MW-14
WEIGHT. (Q) 440 lb. 200.00 kg.
PROD. N0. (P) 201763
LOT NO. (S)
6411D 20120529

FOR HELP IN A CHEMICAL EMERGENCY CALL CHEMTREC 800-424-9300. BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET