

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

May 14, 2020

Christine M. Swick Authorized Representative Kurita Water Industries, Ltd. Nakano Central Park East 10-1 Nakano, 4-Chome, Nakano-ku Tokyo, 164-001 Japan

Subject: Label Amendment – Increase to the minimum use-rate for select uses

Product Name: KURIVERTER IK-110 EPA Registration Number: 48990-6 Application Date: January 15, 2020

Decision Number: 559650

Dear Ms. Swick:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Melanie Bolden by phone at (703) 347-0165, or via email at Bolden.Melanie@epa.gov.

Sincerely,

Demson Fuller, Product Manager 32 Regulatory Management Branch I Antimicrobials Division (7510P) Office of Pesticide Programs

Enclosure



KURIVERTER IK-110

For use as an Antimicrobial in controlling odor-causing bacteria in Animal, Livestock and Poultry Water Lines

Active Ingredient:	
Sodium N-Chlorosulfamate	14.5%
Other Ingredients	85.5%
Total	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. Call a poison control center or doctor for treatment advice.	
If on skin or 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 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, preferably 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 when going for treatment. For general information on product use, etc., call the National Pesticides information Center at 1-800-685-738. You may also contact 1-800-222-1222, the poison control center, for emergency ormation. For emergency information call: ChemTel 800-255-3924

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE Causes treversible eye damage and skin burns. Harmful if swallowed, absorbed through the skin, or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wear protective eyewest (coggles, face shidd, or safely dasses), coveralls wom over fong-sleeved shift and fong panist, socks, chemical-resistant shoes and waterproof gloves. Follow the manufacturer's instructions for cleaning/maintaining PFE. If no such instructions for the shared considerable sext, use deterpert and not water. Keep and wash PFE expansitely from other fundamental control or using the toler. Hemove and wash contaminated colining separately before resules.

PHYSICAL OR CHEMICAL HAZARDS

OXIDIZER. This product contains a strong addizer. Avoid contact with organic materials, such as alcohols and aldehydes, strong reducing agents, acids and ammonia containing products. In concentrated form, avoid contact with common melals such as steet, aluminum, into and copper. Use of incompatible materials can lead to exothermic decomposition, which will release hazardous irritating gases.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into takes, streams, ponds, estimaries, occasies or other varieties unless in accordance with the requirements of a National Portro of Scharge. Do not discharge effluent containing his product to severe systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

COMMERICAL AND INDUSTRIAL WATER SYSTEMS AND RELATED USES

sed as directed, KURIVERTER IK-110 effectively controls bacterial, fungal and algal slimes in commercia ustrial water systems. KURIVERTER IK-110 can also be used to control biofilm deposits and microbia nation from pumps, pipework, heat exchangers, and filters associated with industrial water treatment

contamination from pumps, pipework, heat exchangers, and filters associated with industrial water treatment systems.

Only and KURIVERTER IK-110 directly to water. Badly fould systems should be cleaned before treatment begins. KURIVERTER IK-110 may be applied to the water system either continuously or intermittently (slug dose) or as needed to obtain the target total chlorine level. For measuring the chlorine concentration, use a test kit designed for total chlorine. Analysis should be made immediately after drawing water samples from systems.

needed to obtain the target total chlorine level. For measuring the chlorine concentration, use a uses to use a use to total chlorine. Analysis should be made immediately later drawing water samples from systems.

Recipitation, Cootins and Process Water Systems

CONTINUOUS DOSINOS, WLRIVERTER Ket 10 can be applied continuously to the reciculating cooling vater systems to achieve a total chlorine level of 15-0 ppm or as needed depending upon the severity of contamination. INTERMITTENT DOSINOS, WURIVERTER Ket 10 can be applied continuously to the reciculating cooling water systems to achieve a total chlorine level of 15-10 ppm or as needed depending upon the severity of contamination. The frequency and dosing interval rnay be once a day or as necessary.

Les KURIVERTER Ket 10 to reduce beform and microbial contamination in heat transfer systems such as hydrostatic sterilizers and retorts, pasteurizers and warmers, and batch and continuous cookers. Apply KURIVERTER Ket 10 to retoriously or intermittently to achieve a total chlorine level of 15-9 to pm. Aler Washers and Industrial Scrubbing Systems.

Aler Washers and Industrial Scrubbing Systems and batch and continuous cookers. Apply KURIVERTER Ket 10 centro-continuously or intermittently to achieve a total chlorine level of 0.1-10 ppm or as needed to maintain control depending upon the severity of contamination. Not for use in air washers and industrial scrubbing systems in the State are it washers are contamination. Not for use in air washers and industrial scrubbing systems in the State of California.

Membrana Systems for Industrial Water

Les KURIVERTER Ket 10 to reduce be industrial and microbial contamination in various membrane systems (RO Les KURIVERTER Ket 10 to an be applied intermittently to RO feed water to achieve a total chlorine level of 0.19-10 ppm. For the reduction of biolouling in filtration systems

KURIVERTER IK-110 continuously or intermittently to the system inlet water or before any other contaminated area in the system.

CONTINUOUS DOSING: KURIVERTER IK-110 can be applied continuously to the once-through cooling water systems to achieve a total chlorine level of 0.1-10 pm or as needed depending upon the seventy of contamination.

INTERMITTENT DOSING: KURIVERTER IK-110 can be applied intermittently to the once-through cooling water systems to achieve a total chlorine level of 5-10 pm depending upon the seventyl of contamination. The frequency systems to achieve a total chlorine level of 5-10 pm depending upon the seventyl contamination. The frequency water frames the law of 5-10 pm depending upon the seventyl of contamination. The frequency water frames the law Systems in the Water frames the law Systems in the State of California.

Use KURIVERTER IK-110 to remove and control biofilm deposits, microbial contamination and other organic contaminates in industrial tanks, pumps, piping and tubing associated with water transfer line systems. Apply KURIVERTER IK-110 either continuously or intermittently to achieve a total chlorine level of 0.1-10 pm. Rinse the system throughly with potable water prior to using the water transfer lines. Not for use in food processing equipment, human drinking water systems, or dental lines. Not for use in water transfer line systems in the State of California.

PULP AND PAPER MILLS

Use KURIVERTER IK-110 to reduce biofaciling and as a slimidodi in paper mill whitewater and shower water systems. Add KURIVERTER IK-110 to the systems either continuously or intermittently to achieve a total chlorine level of 0.1-10 ppm. KURIVERTER IK-110 may also be applied in combination with the other biocides. Not for use in the manufacture of food-contact paper or paperhoard.

KURIVERTER IK-110 can also be used to preserve pulp sluriles, starch sluriles, starch passes, sizing solutions, pigments, filters, polymers and coating formulations in paper mills. Add KURIVERTER IK-110 either continuously or intermittently to achieve a total criticonie level of 0.1-10 ppn. KURIVERTER Ik-110 may also be applied in combination with the other biocides. Do not use in the manufacture of flood-contact paper or paperboard. Not for use in pulp and paper mills in the state of Californie.

OIL AND GAS FIELDS

Oil Well and Hydraulic Fracturing Fluids
KURIVERTER IK-110 will reduce the biolouling in oil well and hydraulic fracturing fluids. Add a sufficient amount
this product directly to the well fluid or hydraulic fracturing fluid to achieve a total chlorine level of up to 10 ppm or a
fluid prior to the oil and gas field operation or may be added directly to the benefice during the operation. Be set
fluid prior to the oil and gas field operation or may be added directly to the benefice during the operation. Be set
rapid mixing of the treated water with this product is achieved.
Gathering Systems and Flowback Water Systems
Use KURIVERTER IK-110 in gathering systems and flowback water systems, such as oil and gas field water floo
or sait water disposal systems for reduction of various biolouling. Add sufficient amount of this product is achieve
total chrismle level of up to 10 pm or as needed to invalination control of the system. This product can be added
be sure complete mixing of the treated water with this product is achieved.

ANIMAL WATER LINES (CLEAN IN-PLACE OF WATER LINES) Use KURIVERTER IK-110 to control odor-causing and fouling barderia in tanks number or model.

ONE MANUFACIENT IN-110 to control odor-causing and fouling bacteria in tanks, pumps or medicators associated with water lines in animal, investock and poulty housing facilities. The water lines can be used for delivering dirinking water, art cliefter water and coding syngle lines. Ther to be in the water lines, remove all animals, livestock or birds water, art cliefter water and coding syngle lines. There have been the complete and water lines have been thoroughly rinsed with potable water.

Dosage Rate: Apply KURIVERTER IK-110 via a chemical feed pump or medicator at a dose of one (1) ounce per one (1) gallon of water [1:28] into the pipes. Fill the water lines until the full flow is obtained at all externiles and the system is completely filled with the use-solution and all air sernoved. Close drain valves and soak or circulate the use-solution for a minimum of 4 hours. Flush the system thoroughly with potable water prior to using the water lines.

STORAGE AND DISPOSAL

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

vented.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contrad your State Pesticide or Environmental Control Agency, or the Hazardous Waste represental at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:1-15 against plant plan

or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to crip. Nepeat this grocdum but owner lates.

It is product to work the control to t

Manufactured For: Kurita Water Industries Ltd. Nakano Central Park East 10-1 Nakano, 4-Chome, Nakano-ku TOKYO 164-0001 JAPAN

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EPA REG. NO. EPA EST. NO.	48990-6 ☐ 71675-MN-00 ☐ 38832-CA-00

applications. KURIVERTER IK-110 reduces ns, and filters associated with oil and das field

Lot#:

05/14/2020 the Federal Insecticide, Fungicide Rodenticide Act as amended, for the