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Systems Integration Group, Inc.

DOWICIL QK-20 ANTIMICROBIAL
FINAL DRAFT LABEL
April 30, 1999
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DOWICIL* QK-20 Antimicrobial

To control Coliform and Other Bacteria in Publicly-Owned Treatment Works; reduces microbiological contamination in industrial preservation applications, including both raw materials and products.

FOR INDUSTRIAL USE ONLY

Active Ingredients:

2,2-Dibromo-3-nitropropionamide 20%

Inert Ingredients: 80%

E.P.A. Registration No. 464-628

E.P.A. Est. 464-MI-1

KEEP OUT OF REACH OF CHILDREN

DANGER

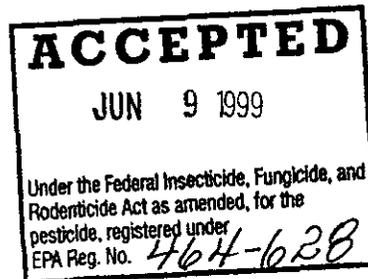
PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

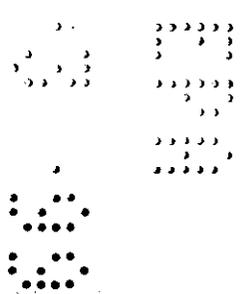
**CORROSIVE • CAUSES IRREVERSIBLE EYE DAMAGE •
CAUSES SKIN BURNS • MAY BE FATAL IF SWALLOWED •
HARMFUL IF INHALED • HARMFUL IF ABSORBED THROUGH SKIN**

**Do Not Get In Eyes, on Skin, or on Clothing • Avoid Breathing Vapors •
Wear Protective Eyewear (chemical goggles) • Wear Protective
Clothing (faceshield, boots, apron or full-body suit; depending on operation)
and Chemical Resistant (such as nitrile or butyl) Gloves • Wash Thoroughly
With Soap and Water After Handling and Before Eating, Drinking, or Using Tobacco •
Remove Contaminated Clothing and Wash Clothing Before Reuse**

FIRST AID: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation persists. If swallowed, Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.



* Trademark of The Dow Chemical Company



ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. **Note:** 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.

In case of an emergency endangering life or property involving this product, call collect 517-636-4400.

STORAGE AND DISPOSAL

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

Storage: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.

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, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

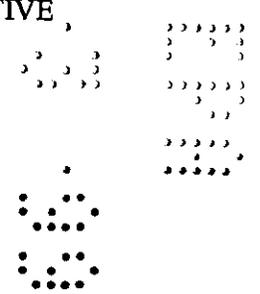
Container Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Reuseable Portable Containers (Totes): Do NOT rinse containers. Do not put any other material(s) in containers. Seal all openings with proper fittings and clean outside of container. Then return container to The Dow Chemical Company.

DIRECTIONS FOR USE

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

NOTE: ADD DOWICIL QK-20 ANTIMICROBIAL SEPERATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF DOWICIL QK-20 ANTIMICROBIAL DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.



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INDUSTRIAL PRESERVATION

DOWICIL QK-20 Antimicrobial may be used to reduce microbiological contamination in raw materials and/or products such as; aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including; inks, polishes, waxes, detergents, and cleansers.

TO REDUCE MICROBIOLOGICAL CONTAMINATION

Add DOWICIL QK-20 Antimicrobial to the material or product at a concentration of 25 to 2000 ppm by weight. This concentration is equivalent 2.8 to 224.0 fluid ounces DOWICIL QK-20 Antimicrobial per 1000 gallons or 21.4 to 1712.0 milliliters DOWICIL QK-20 Antimicrobial per 1000 liters. The required concentration will depend on the material being treated and the level of contamination present.

PUBLICLY-OWNED TREATMENT WORKS

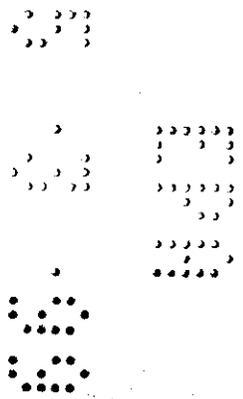
TO CONTROL COLIFORM AND OTHER BACTERIA

Add DOWICIL QK-20 Antimicrobial at a concentration of 1.0 to 10.0 ppm by weight of water being treated, depending on the severity ad contamination in the system. Addition should be CONTINUOUS and should be made with a metering pump at a point in the system where mixing will be rapid and thorough. Add DOWICIL QK-20 Antimicrobial to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.

TO USE AS A CO-TREATMENT WITH CHLORINE

Add 0.4-1.5 ppm DOWICIL QK-20 Antimicrobial by weight of water treated. Chlorination should result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level). Addition should be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. DOWICIL QK-20 Antimicrobial should be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

NOTICE: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label (except uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration) when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.



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NOTICE
Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

THE DOW CHEMICAL COMPANY
Midland, Michigan 48674
1-800-258-CHEM

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