

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE: Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before use.

PHYSICAL AND CHEMICAL HAZARDS: Mix only with water following label directions. Do not mix with chlorinated cleaners and sanitizers. Toxic chlorine gas will be formed. Contact with soft metals may generate hydrogen gas. Do not use or store near heat or open flame .

ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water 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.

MICRODYNE is regulated by the U.S. Food and Drug Administration under the Food Additive regulation for use on food processing equipment and utensils up to 25 ppm of titratable iodine, without requiring a rinse with potable water.

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. Call the poison control center or doctor for treatment advice. **If on skin:** 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 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 mouth-to-mouth, if possible. Call a poison control center or doctor. Have product container 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. Medical Emergency Telephone Number: 1-800-535-5053 (U.S.) Outside the U.S. 1-352-323-3500.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use. Do not store below 0° F for extended periods.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of 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. Triple rinse container (or equivalent) promptly after emptying. 5-Gallon or less containers - Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure for two more times. Capacity greater than 5-gallon containers -Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities, burn container. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

On pre-cleaned food contact surfaces Microdyne is effective against Salmonella choleraesuis, Listeria monocytogens and Escherchia coli, 0157:H7, Hemorrhagic.

NOTE: Microdyne is a concentrate and must be diluted before use.

MADE IN USA

For Technical Service or Ordering Information

(USA) 1.800.762.4448 (Toll Free)

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World Headquarters

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RMC

Rochester Midland Corporation®

Food Safety Division

BrandGuard

Microdyne

EPA REG. NO. 4959-36-527

XEPA EST. NO. 527-NY-2

EST. NO. 527-IL-1

ACTIVE INGREDIENTS:

Iodine* 3.50%

Phosphoric Acid..... 24.70%

INERT INGREDIENTS 71.80%

TOTAL 100.00%

*From Polyethoxy polypropoxy polyethoxy ethanol-iodine complex

KEEP OUT OF REACH OF CHILDREN

DANGER

See Side Panel for Additional Precautionary Statements and First Aid Statements.

NET CONTENTS: 5 Gallons (18.927 Liters)

USE DILUTION TABLE

MICRODYNE	WATER	IODINE
2 oz.	13 gallons	50 ppm
1 oz.	13 gallons	25 ppm
1 oz.	30 gallons	10 ppm

NOTE: MICRODYNE is recommended for use in Stainless Steel equipment only.

MICRODYNE is not adversely affected by common water hardness or low temperatures.

MICRODYNE is especially formulated for use by the bottling, beverage and food processing industries, as well as milk and ice cream processing plants to ensure sanitary filling procedures, sanitizing filters, syrup lines, tanks, etc. **MICRODYNE**, when used continuously as a sanitizing spray on walls, conveyors, equipment and floors, will sanitize surfaces and reduce or eliminate odors throughout the processing area. **MICRODYNE** may be used as a sanitizer at 12 ½ to 25 ppm titratable iodine throughout milk and ice cream processing areas and on filling equipment to reduce or eliminate E. coli which are usually associated with condensation found on equipment, pipes, etc. In addition, continual use of MICRO-DYNE as a sanitizer at 25 ppm will prevent the formation of milk stone on processing equipment. MICRODYNE may be used at 25 ppm as a sanitizer in frozen and fresh-pack processing plants, and is effective in reducing cross-contamination. MICRODYNE proportioned into pre-rinse of non-returnable bottles and final rinse of returnable bottles at 4 to 6 ppm will produce a final sanitized bottle.

Follow your State and local Health Department requirements for sanitizing food processing equipment. For sanitizing equipment in meat, poultry, rabbit and egg processing plants, clean surfaces with detergent wash and rinse with potable water. Final rinse with a solution of 1 ounce MICRODYNE and 13 gallons of water, allow a one minute contact time.

FOR USE IN PLANTS

SOFT DRINK IN-PLACE SANITIZING: For one-step in-place sanitizing of bottling or pre-mix dispensing equipment, thoroughly rinse equipment with cold or lukewarm water. Fill equipment with a solution of 1 oz. **MICRODYNE** to 13 gallons of water (25 ppm titratable iodine). Allow the solution to remain in contact with equipment until operations resume, at least one minute. Drain sanitizing solution from the system. To ensure the thorough removal of flavors, it is suggested that during change-over between products, the system should be flushed with a sanitizing solution of **MICRODYNE**. Rinse thoroughly with water before the use of sanitizing solution (1 ounce **MICRODYNE** to 13 gallons of water). For sanitizing and disinfecting exterior portions of the equipment, thoroughly wet and scrub surface with a solution of 2 oz. of **MICRODYNE** to 13 gallons of water. Rinse before use.

SANITARY FILLING: MICRODYNE is recommended for use in sanitizing bottles or cans in the final rinse application. **MICRODYNE** is proportioned into the final rinse water line of the container washer or rinser in concentration of 8 to 12 ppm. The exact concentration required will be determined by local conditions. Allow one minute contact time. A **MICRODYNE** solution containing 20 to 25 ppm should be used in an external spraying application for the filter and closing machine. MICRODYNE is also recommended for use in the internal filler sanitation program.

STORAGE TANK SAINTIZING: MICRODYNE is recommended for sanitizing beer fermentation and holding tanks. A solution of 20 to 25 ppm should be applied by spraying or used in combination with automated cleaning systems. A final fresh-water rinse is not recommended.

MICRODYNE cleans and brightens cans.

MICRODYNE helps reduce the growth of micro-organisms in retort cooling water.

MICRODYNE should be added to the retort cooling water in sufficient quantity to maintain 0.1 to 0.5 ppm titratable iodine at the discharge side. To reach this level of iodine, an initial concentration of 5 ppm titratable iodine is recommended (1 oz. MICRODYNE to 55 gallons of water.) The amount of MICRODYNE required will depend on the organic load and the alkalinity of the water. A suitable iodine test kit, capable of measuring titratable iodine in the range of 0.1 to 0.5 ppm, should be used to check iodine levels.

FOR USE IN DAIRIES

MILKING CLAW SYSTEM: For use through claws between milking each cow. Helps reduce micro-organisms on liners which may cause mastitis. 1. Pre-rinse thoroughly with potable water or a thoroughly mixed solution containing 1 oz. of MICRODYNE per 13 gallons of water. This solution provides 25 ppm titratable iodine. 2. Flush system with a thoroughly mixed solution containing 1 oz. MICRODYNE per 13 gallons of water. Allow at least one minute contact time. 3. Thoroughly drain system.

WASH DOWN HOSES: For general cleaning in the milking parlor use a thoroughly mixed solution containing 1 oz. MICRODYNE per 13 gallons of water. Thoroughly rinse down all surfaces.

UDDERWASH: To clean cow's teats prior to milking, use a well mixed solution containing 1 oz. of MICRODYNE per 13 gallons of water. Wash teats and flanks thoroughly, then dry with a clean single service paper towel.

IMPORTANT: Follow State and local Health Department requirements for sanitizing milking equipment. Do not mix MICRODYNE with hot water. Use cool or tepid water only.

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