



1876

# Rapidyne™

Rapidyne™ 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.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. KEEP OUT OF REACH OF CHILDREN. 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 reuse.

**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 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.

On pre-cleaned food contact surfaces Rapidyne™ is effective against *Listeria monocytogenes*.

**Rapidyne™ IS A CONCENTRATE AND MUST BE DILUTED BEFORE USE:**

Rapidyne™	WATER	IODINE
2 ounces	13 gallons	50 ppm
1 ounce	13 gallons	25 ppm
1 ounce	30 gallons	10 ppm

**NOTE: Rapidyne™** is recommended for use in stainless steel equipment only.  
**Soft Drink Plants 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 ounce Rapidyne™ 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 insure the thorough removal of flavors, it is suggested that during change-over between products, the system should be flushed with a sanitizing solution of Rapidyne™. Rinse thoroughly with water before the use of sanitizing solution (1 ounce of Rapidyne™ to 13 gallons of water). For sanitizing and disinfecting exterior portions of the equipment, thoroughly wet and scrub surface with a solution of 2 ounces Rapidyne™ to 13 gallons of water. Rinse before use.

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

**Storage Tank Sanitizing: Rapidyne™** 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.

Rapidyne™ cleans and brightens cans.

Rapidyne™ helps reduce the growth of microorganisms in retort cooling water. Rapidyne™ 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 ounce of RAPIDYNE to 55 gallons of water). The amount of Rapidyne™ 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 additional information, consult your DeLaval Cleaning Solutions' representative or the Safety Data Sheet (SDS).

## FOR INDUSTRIAL USE ONLY

**ACTIVE INGREDIENTS:**  
Iodine..... 3.50%  
Phosphoric Acid..... 24.70%  
**INERT INGREDIENTS:**..... 71.80%  
**TOTAL**..... 100.00%

\* From Polyethoxy polypropoxy polyethoxy ethanol-iodine complex.

EPA Reg. No. 4959-36-82882  
EPA Est. No. 4959-IL-01(E), 4959-TX-01(D), 4959-CA-01(F)  
D,E,F: First letter of lot number indicates establishment.

**CHEM-TREC EMERGENCY #: 1-800-424-9300**

## KEEP OUT OF REACH OF CHILDREN DANGER

See right panel for additional precautionary statements.

HAZARD RATING  
4-EXTREME  
3-HIGH  
2-MODERATE  
1-SLIGHT  
0-INSIGNIFICANT



## FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes. Then continue rinsing. Call a 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 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:** Remove person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a Poison Control Center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

## STORAGE AND DISPOSAL

**Pesticide Storage:** Keep container closed when not in use. Do not store below 0°F for extended periods.

**Pesticide Disposal:** Do not contaminate food, water, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of pesticide wastes 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. 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## DIRECTIONS FOR USE

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

Rapidyne™ is especially formulated for use by the bottling, beverage, and food processing industries, as well as milk and ice cream processing plants to insure sanitary filling procedures, sanitizing filters, syrup lines, tanks, etc. Rapidyne™, 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. Rapidyne™ may be used as a sanitizer at 12½ to 25 ppm titratable iodine throughout the milk and ice cream processing areas and on filling equipment to reduce or eliminate *E. Coli*, which are usually associated with condensation found on pipes, etc. In addition, continual use of Rapidyne™ as a sanitizer at 25 ppm will prevent the formulation of milkstone on processing equipment. Rapidyne™ may be used at 25 ppm as a sanitizer in frozen and fresh-pack processing plants and is effective in reducing cross-contamination. Rapidyne™, 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.

Rapidyne™ is not adversely affected by common water hardness or low temperatures. 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 of Rapidyne™ and 13 gallons of water. Allow a 1 minute contact time.

# DeLaval Cleaning Solutions

1876-10321

Manufactured for: DeLaval Cleaning Solutions  
11100 N. Congress Avenue  
Kansas City, MO 64153  
816-891-7700

NET CONTENTS: 275 US GAL (1040.9 L)

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