

WAREWASH - RINSE AIDS & SANITIZERS



Food and beverage industry accepted

DIN 02160501

RAPIDYNE is a tamed iodine based sanitizer especially designed for closed circuit systems such as for dairy products pipelines, fruit juices, breweries and others. **RAPIDYNE** is also recommended to control contamination in autoclave cooling tanks in canning plants.

FEATURES AND BENEFITS

- PH of 3.5 at 25 ppm
- Contains 42,000 ppm of titratable iodine
- Used in cold or warm water
- Cost efficient when used at recommended concentration
- Its low pH at 25 ppm use dilution allows for greater effectiveness
- Its wide microbiocidal spectrum acts on most bacteria, mould and yeast
- Fast acting
- The natural colour of iodine allows the product to act as its own indicator. There is always iodine present in the solution so long as there is an amber colour present
- A concentration level of 1 ppm is enough to maintain sanitary conditions in cooling system's water
- Low reactivity with organic matter

DIRECTIONS FOR USE

PROCEDURE #1

SURFACE TO BE TREATED

Sanitizing of closed circuit systems.

USE PROCEDURE

Prepare a cold or warm solution of **RAPIDYNE** by direct addition in a tank or by automatic injection into piping. Insure that the system is clean with no cleaning solution residue remaining. Let solution circulate in all parts of piping, pasteurizer, tank and reservoir sprinkler cleaning systems. Allow to dwell then rinse with clean water to remove all traces of product before restarting the system.

CONCENTRATION

25 to 50 ppm of active ingredient are usually enough to obtain good sanitary conditions (see concentration chart).

PROCEDURE #2

SURFACE TO BE TREATED

Sanitary immersion tanks for utensils and small parts.

USE PROCEDURE

Prepare a cold solution of **RAPIDYNE** containing 25 ppm of titratable iodine in a stainless steel tank. Insert parts to be sanitized while ensuring they were previously cleaned and rinsed. Let soak until reuse. Rinse thoroughly once removed from solution.

CONCENTRATION

Between 15 and 25 ppm of titratable iodine.

DILUTION CHART

Desired concentration	Quantity of Rapidyne	Quantity of Water
75 ppm	180 ml	100 L
50 ppm	120 ml	100 L
25 ppm	60 ml	100 L
15 ppm	36 ml	100 L
5 ppm	12 ml	100 L
1 ppm	24 ml	1000 L

RAPIDYNE'S BIOCIDAL EFFICACY

The following microorganisms, frequently encountered in food sanitation, can be killed with **RAPIDYNE**.

Listeria monocytogenes	Saccharomyces cerevisiea
Penicillium luteum	E. Coli
Enterobacter aerogenes	Shigella sonnei
Salmonella choleraesuis	Salmonella typhosa
Staphylococcus aureus	Pseudomonas aeruginosa

RAPIDYNE

IODINE BASED DISINFECTANT AND SANITIZER

PHYSICAL PROPERTIES

Appearance	Red/brown liquid
Odour	Typical for tamed iodine
Specific Gravity @ 20°C	1.23
Viscosity	Thin
pH at 1%	3.5 (in soft water)
Flash Point (TCC)	None
Boiling Point	Approx. 100°C
Freezing Point	Not available
Foaming Tendency	Low at recommended concentration
Concentration monitoring techniques	Titration or optical comparator
Water Solubility	Complete
Rinsability	Excellent

INCOMPATIBILITY

Avoid using on plastic or painted surfaces since it will stain.
 Avoid using in solutions with a pH over 6.0. It is recommended to use soft or demineralized water to prepare solution.
 Avoid circulation solution in circuits where alkaline residues remain.

WAREHOUSING PRECAUTIONS

Avoid storing RAPIDYNE in areas where temperature exceeds 30°C, especially if the container is not tightly closed.

AVAILABLE SIZES

			
20L			

FIRST AID MEASURES

EYE CONTACT

Wash with plenty of water for 15 minutes.
 Consult physician.

SKIN CONTACT

Wash with plenty of water for 15 minutes.
 Consult physician if irritation develops or persists.

INHALATION

Give fresh air.

INGESTION

Do not induce vomiting. Drink plenty of water and contact physician immediately.

HEALTH

2

FLAMMABILITY

0

REACTIVITY

0

LEGEND

0 = MINIMAL RISK
 1 = SLIGHT RISK
 2 = MODERATE RISK
 3 = SERIOUS RISK
 4 = SEVERE RISK

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT: Before using RAPIDYNE always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).

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