RAPIDYNE®

IODINE BASED DISINFECTANT AND SANITIZER

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.

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

DIN 02160501

FEATURES & BENEFITS

- PH of 3.5 at 25 ppm
- Contains 42,000 ppm of titratable iodine
- Used in cold or warm water
- Its low pH at 25 ppm use dilution allows for greater effectiveness
- Its wide microbiocidal spectrum acts on most bacteria, mould and yeast
- 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

Appearence	Clear, brown liquid
Odour	Iodine
Specific gravity @ 20°C	1.23
Viscosity	<10 cps
pH	<1
Flash point (TCC)	None
Water solubility	Complete
Boiling point	100°C (212°F)
Freezing point	Not available
Foaming tendency	Low at recommended concentration
Rinsing	Excellent
Concentration monitoring techniques	Titration or optical comparator

INCOMPATIBILITY

Chlorinated products, bases, reducing agents

WAREHOUSING PRECAUTIONS

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place

AVAILABLE SIZES

4 X 4L	20L			

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

FIRST AID MEASURES

Ingestion
Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Skin contact
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation
Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

PERSONAL PROTECTION

WHMIS