



F&B Adage^{TM/MC} II

Iodine Detergent/Sanitizer

Description

Adage II is an iodophor sanitizer/disinfectant recommended for equipment and surfaces in dairies, breweries and other beverage and food processing operations.

Key Properties

Iodophor:	Fast broad spectrum kill.
Complexed Iodine:	Low odour level.
Concentrated:	High use dilution for cost effectiveness.
Yellow in solution:	Self indicating of iodine level.
Acidic:	Maintains efficacy in hard water.

Discussion

Adage II is an iodophor sanitizer. Iodine, the active sanitizing agent, is complexed to a nonionic surfactant. In this form, the iodine is more stable, less corrosive, and less volatile than in simple iodine solutions, and it retains germicidal activity in acidic media.

Adage II's acidic properties help to control alkaline or hard water residues that build up on equipment surfaces.

Approvals

Canadian Regulatory Status: The Bureau of Chemical Safety, Health Protection Branch, and Agri-Food Safety Division, Food Production and Inspection Branch have indicated that when Adage II is used in accordance with label directions, there will be no objection to its use in plants under their jurisdiction.

Adage II is regulated under the Food and Drug Act as a hard surface disinfectant and as an anti-microbial hand dip (DIN #00558273). A final rinse with potable water is not required if a 25 ppm available iodine level is not exceeded.



Divosan



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Use Instructions

Direction for Sanitizing Tanks, and Food Processing Equipment

1. Rinse equipment thoroughly with clean warm water, about 40°C (100°F) immediately after use. Drain.
2. Wash with a solution of a recommended Diversey manual cleaner in hot water. Rinse and drain.
3. Sanitize with a solution of 0.8 mL Adage II detergent per litre of cool water (12.5 ppm titratable iodine).
4. Sanitize immediately before re-use where required by local regulations (see step 3).
5. Allow sanitizing solution to completely drain from equipment prior to contacting food.

Do not rinse after sanitizing with Diversey Adage II unless required by local health agencies, then rinse with potable water.

Directions for Sanitizing Glasses, Dishes, Utensils and Food Processing Equipment

1. Rinse thoroughly with clean water.
2. Wash with a recommended JohnsonDiversey product.
3. Rinse with potable water
4. Sanitize by immersion in Adage II solution containing 0.8 mL/litre of water, providing 12.5 ppm titratable iodine. Immerse all utensils for at least two minutes or for contact time specified by governing sanitary regulations.
5. Allow sanitizing solution to completely drain from equipment prior to contacting food.

Do not rinse after sanitizing with Diversey Adage II unless required by local health agencies, then rinse with potable water.

Corrosion Data

Adage II is non-corrosive to stainless steel when used as directed. Like other iodine products, extended contact of Adage II use solutions with soft metals is not recommended.

Technical data

Form	Dark, brown liquid
Odour	Slight Iodine
Average Specific Gravity	1.15
Phosphorus as P, %	5.9
pH of 1 fl. oz./4 Imp. gal. Solution	3.3
Iodine	1.75%
Acidity as H ₃ PO ₄	18.08%
Alkyl Phenol Ethoxylates	None

The above data is typical of normal production and should not be taken as a specification.

Directions for Spray Sanitizing of Food Processing Equipment

1. Apply a sanitizing solution containing 1.6 mL of Adage II in a litre of cool water providing 25 ppm titratable iodine by spray equipment on to previously cleaned surfaces. Consult equipment manufacturer's instructions for adjusting feed rates.
2. Allow sanitizing solution to completely drain from equipment prior to contacting food.

Note: Adage II should not be used in rinse water of over 50°C. The sanitizing solution should be tested periodically with an iodine tester. When solution, which is normally yellow, depreciates to 6.25 ppm iodine and the color fades, the solution should be renewed.

Directions for Sanitizing Poultry Crates and Cages

1. Wash thoroughly to remove organic material such as manure and other debris from surface prior to sanitizing.
2. Allow sanitizing solution to completely drain from crates and cages before use. Air dry immediately.

Directions for Spray Sanitizing of Food Processing Equipment

1. Apply a sanitizing solution containing 1.6 mL of Adage II in a litre of cool water providing 25 ppm titratable iodine by spray equipment on to previously cleaned surfaces. Consult equipment manufacturer's instructions for adjusting feed rates.
2. Allow sanitizing solution to completely drain from equipment prior to contacting food.

Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Microbiocidal Efficacy

Adage II at a 1:640 use dilution 1.6 mL/L (1 fl. oz./4 Imp. Gal.; 25 ppm iodine) passes both the A.O.A.C. Use Dilution Test and the A.O.A.C. Germicidal and Detergent Sanitizer procedure in water hardness of 500 ppm (as CaCO₃).

Test Kit

Test Kit #409910

Precautionary Statement

Refer to current Safety Data Sheet.