

SPECTRUM



Concentrated Neutral Quaternary Sanitizer

Purpose:

Spectrum is a concentrated neutral liquid quaternary ammonium sanitizer providing effective bacteriological control in a wide variety of beverage, dairy and food processing operations.

Key properties

Spectrum is a versatile sanitizer containing a blend of two highly effective quaternary ammonium compounds. It provides excellent bacteriological control while helping to eliminate objectionable odours.

Spectrum can be used for general sanitizing of equipment and surfaces and is particularly effective for controlling molds on walls and floors. **Spectrum** is also effective in recirculating water systems, cooling towers, sweet water systems, brewery pasteurizers, can warmers, etc., by both shock and continuous treatment methods. Since it is non-corrosive, **Spectrum** is an ideal sanitizer to use in a total environmental hygiene sanitation program for sanitizing all exterior surfaces, walls, floors and drains for the continuous control of bacteria such as *Listeria*.

Benefits

- Liquid formulation: Mixes immediately and can be controlled automatically
 - Easily dispensed for accuracy and control
 - Broad **Spectrum** kill: Blend of two quats more effectively controls bacteria, yeasts and molds
 - Residual properties: Produces bacteriostatic effect of retard bacterial growth
 - Natural deodorizer: Leaves cleaned areas smelling fresh by eliminating odours
 - Heat stable: Suitable for warm and hot application where necessary
- Non-corrosive: Can be used on all surfaces

Use instructions

Surfaces to be sanitized with **Spectrum** must be thoroughly cleaned and rinsed before use. Soap and related anionic compounds may neutralize the bactericidal properties of a quaternary compound such as **Spectrum**.

General Sanitization:

The recommended use level for sanitizing food contact is 2.2 mL/L (1 fl. oz./3 Imp. gal.) which may be applied via circulation, spray, soak or manual methods. This provides 200 ppm of active sanitizer and no final rinse is required if this level is not exceeded. For non food contact surfaces such as floors, walls and drains, a use solution of 6.25 mL/L (1 fl. oz./1mp. gal) is recommended.

Continuous Treatment:

For brewery pasteurizers and beverage can warmers, the use of **Spectrum** at 12-60 mL/100L (2-10 fl. oz./100 Imp. gal.) in water (10-50 ppm active agent) added every 8 hours of operation will ensure protection against slime and algae.

Spectrum dosing recommendations based on specific operating parameters, type of equipment and water conditions will be provided on request.

Spectrum technical data

Appearance	Light yellow-green liquid
Odour	Pleasant, clean
pH 1% solution (20°C)	7.0
Phosphorus Content (P)	None
Average Specific Gravity	0.99

These figures are typical values and should not be interpreted as specifications.

Active ingredients: n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride 4.5% n-Alkyl (60% C12, 32% C14) dimethyl ethyl benzyl ammonium chloride 4.5%

Safe handling and storage information

Full guidance on the handling and disposal of this product is provided in a separate Material Safety Data Sheet. Store in original container. Avoid extremes of temperature.

Product compatibility

Spectrum is non-corrosive to most metals commonly encountered in beverage and food processing applications.

Test method

Use Quaternary test papers or Quat Titration method for determination of **Spectrum** solution concentrations.

Approvals

The Canadian Food Inspection Agency has indicated that when **Spectrum** is used in accordance with label directions, there will be no objection to its use in plants under its jurisdiction.

Registration

Spectrum is a registered hard surface sanitizer, PCP #15248.

Microbiological data

Spectrum at 2.2 mL/L (1 fl. oz./3 Imp. gal.) passes the A.O.A.C. Germicidal and Sanitizer Procedure in Water Hardness of 500 ppm as calcium carbonate.

For more information:

Ravcor Cleaning Solutions

108, 6249 - 205th Street
Langley, BC V2Y 1N7

Tel: 604.533.2669

Fax: 604.530.6639

www.ravcor.ca

info@ravcor.ca



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