

TECHNICAL DATA SHEET

CECURE®

Description:

Cecure® is a patented*, FDA and USDA-approved antimicrobial solution used in direct food-contact applications in the food processing environment. Cecure® delivers unparalleled microbial reductions in pathogens and other bacteria as well as in yeasts and mold.

Cecure® is safe and delivers superior microbial efficacy against a wide range of microorganisms (gram-positive and gram-negative organisms) without the adverse effects observed in other antimicrobial products. Its high efficacy in microbial reduction safely increases product shelf life by delivering an immediate and dramatic reduction in food spoilage organisms.

The active ingredient in Cecure®, Cetylpyridinium chloride (CPC), has been safely used in common OTC oral hygiene products such as mouthwash and lozenges for over 60 years. No off gassing is observed with the use of Cecure® and it presents no unusual worker safety issues.

Cecure® does not react with other chemicals in the processing environment and is non-corrosive to equipment and floor surfaces due to its non-oxidative nature. No organoleptic changes are observed on food products processed using Cecure®.

*Covered by U.S. Patent Nos. 5,366,983, 5,855,940, and 6,039,992 and other U.S. and foreign patents issued and pending.

Physical Properties:

Appearance – Clear, colorless to light yellow liquid

Solubility – Freely soluble in water

pH, 1% aqueous solution – 7.1

Specific Gravity – 0.9923

Directions for Use:

Cecure® is applied as a diluted solution at a concentration of $\leq 0.8\%$ CPC in the U.S. and up to 1% CPC in some countries. It is currently approved by the U.S. FDA and USDA (and various other jurisdictional agencies outside the U.S.) as an antimicrobial food processing aid for poultry carcass and parts applications, and for use on other food products in other countries. Cecure® antimicrobial solution has demonstrated efficacy on various foods such as poultry, beef, pork, seafood, fruits, vegetables, and ready-to-eat meat products.

The standing concentrate and application solutions should be maintained at approximately 65°F ($\approx 18^\circ\text{C}$) or above to avoid crystallization of CPC in the solution. Although not a safety issue, precipitation of the solution will impair its antimicrobial activity.

Safety (Concentrated (40% CPC) Solution):

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life. Do not breath dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment. Wear protective gloves/clothing/eye/face protection. In case of inadequate ventilation, wear respiratory protection. Call a POISON CENTER/doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

Read Safety Data Sheet (SDS) before using this product.

Storage:

Cecure® solution should be properly stored and handled according to SDS instructions to ensure expected shelf life of two years.