

KEEPER®

The Ultimate Antimicrobial Product for the Post Harvest Processing Industry.



Control microbial and enzymatic activity while promoting positive organoleptics and shelf life extension.

KEEPER® is an FDA and FSIS approved [21 CFR 173.325] antimicrobial agent that is used to eliminate pathogens and extend shelf life in numerous post harvest fruit and vegetable applications. Per FDA's Letter of No Objection provided to Bio-Cide, KEEPER® is approved in water and ice that are used to rinse, wash, transport and store post harvest fruits and vegetables at concentrations of 50 to 1200 ppm.

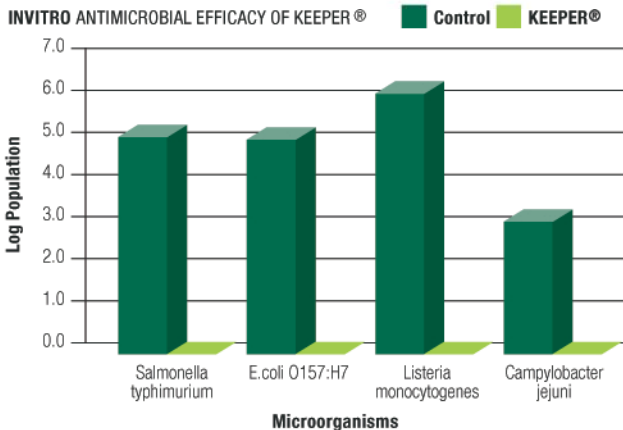
- Meet the required efficacy without altering flavor
- Develop and maintain your reputation for quality products
- Gain confidence of USDA inspectors by using the most trusted antimicrobial intervention technology
- Integral component of your HACCP Plan

With Bio-Cide International's patented delivery technology, KEEPER® allows you to use the same chemistry from farm to fork.

KEEPER® was developed by Bio-Cide International, the world-wide leader in acidified sodium chlorite antimicrobial technologies. Bio-Cide's KEEPER® is activated at the time of use to produce the uniquely effective, food grade sanitizer, chlorine dioxide. When activated, KEEPER® is added during processing and transporting to wash or rinse water and ice. KEEPER® is the most effective, fast acting, broad-spectrum antimicrobial available.

KEEPER® Applications

Hydrocooler - Flume Water - Packaging



The KEEPER® antimicrobial intervention program is simple to use and is highly effective against Salmonella, E. coli O157:H7, Listeria and many other pathogens of concern. KEEPER® is trusted by inspectors as part of a successful HACCP Compliance program.

Use KEEPER® to Avoid Expensive Recalls.



LP Lily Products of Michigan Inc.

800.762.1374

KEEPER® is the most effective, fast acting, broad-spectrum antimicrobial available.

KEEPER has been shown to be more effective than nine other common sanitizers including quaternary ammonia, iodophors, Peracetic acid and sodium hypochlorite (chlorine). KEEPER® provides a comprehensive antimicrobial intervention program.

- Ultra high, broad spectrum antimicrobial activity
- Prevents formation of biofilm
- Low toxicity
- Low corrosion potential
- No chlorination or THM formation
- Effective over a broad pH range (1-10)
- FDA approved up to 1500 ppm as sodium chlorite
- FDA-Letter of No Objection as low as 50 ppm
- Can be used in water and ice
- Resists neutralization due to organic load
- No effect on organoleptic properties
- No effect on nutritional quality
- Not reportable on label
- KOSHER certified
- Economical to use
- Can be used with automated delivery systems

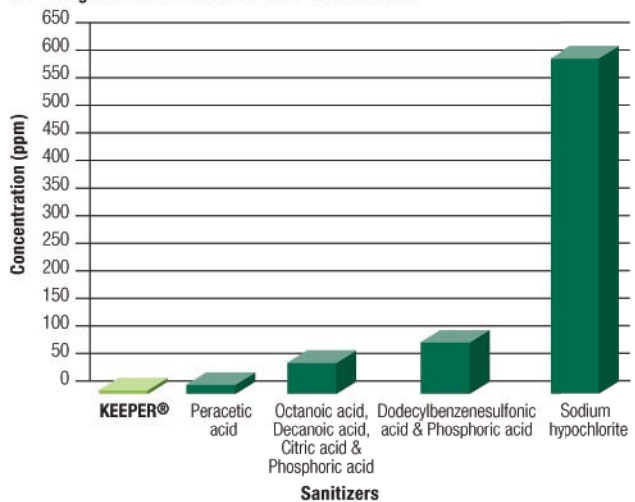


Activation

The active ingredient in KEEPER® is Stabilized Chlorine Dioxide. To increase the speed of kill and efficacy of KEEPER®, the pH of the solution can be reduced with any Food Grade GRAS acid to activate the stabilized chlorine dioxide.

Activation may be accomplished manually in low volume as batch applications; or with BCI's hands-free, low cost AANE™ unit (non-electric), the Wall Mount Activation System™, or the on-line activation system OLAS™ Ti that combines activation with injection into water streams on the fly.

CONCENTRATION OF SANITIZERS REQUIRED
for >5 log reduction of E.coli O157:H7 in 60 seconds



AANE™



Wall Mount Activation System™



OLAS™ Ti