

**Keeper®** is a registered trademark of Bio-Cide International, Inc. **Keeper®** is manufactured by a proprietary process, thus ensuring a high quality oxychlorine species containing sodium chlorite.

**Application:** **Keeper®** is permitted for use as an antimicrobial agent on red meat carcasses, red meat parts and organs and processed, formed or comminuted meat products under the provisions of 21 CFR173.325 and FCN 450. The additive is to be used in accordance with current industry standards of good manufacturing practice.

**Directions for Use:** For effective microbial control, **Keeper®** should be acidified using a GRAS acid such as citric acid, phosphoric acid or hydrochloric acid. **Keeper®** is automatically acidified using Bio-Cide International's activation equipment which is available from your local Bio-Cide distributor.

To prepare use concentration of between 500 and 700 ppm, the following steps should be followed:

1. Always prepare acidified solution in a well ventilated area.
2. To prepare ten gallons of use solution (500-700ppm acidified sodium chlorite), measure out between 20 fl. oz. and 27 fl. oz. of **Keeper®** concentrate.
3. To this amount add 4 ounces of citric acid crystals. 50% liquid citric acid may be used at the rate of 6 fl oz
4. Let solution stand for 5 to 10 minutes.
5. Dilute with 10 gallons of clean, potable water.

**Alternate directions (FCN 450):** The use-solution is produced by mixing an aqueous solution of **Keeper®** with any GRAS acid to achieve a pH in the range of 2.2 to 3.0, then further diluting this solution with a pH elevating agent such that the resultant **Keeper®** concentration does not exceed 1200 mg/kg. The pH of the use solution is between 5.0 and 7.5.

Monitor acidified **Keeper®** with **Keeper®** test kit to ensure that the concentration level is between 500 and 700 ppm. **Keeper®** test kits are available from your local Bio-Cide distributor.

Make up fresh **Keeper®** solutions daily.

When using Bio-Cide International's automated activation equipment, no manual mixing is required as the equipment automatically measures the sodium chlorite and acid to provide activated concentrate. An appropriate metering pump should be selected that will dilute the solution to the use concentration. Chemical metering pumps should be chlorine resistant for best operation.

**Storage:** Store in a cool dark area in original container. Avoid storage in direct sunlight. In case of spill, flood with large amounts of water prior to discarding to drain.

**Container Disposal:** Triple rinse, then offer for recycling; or puncture and dispose of in a sanitary landfill; or by incineration; or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# Keeper®

## Controls Microorganisms on Red Meat Products

Keep Out of Reach of Children

### CAUTION

See Side Panel For Statement of Practical Treatment

ACTIVE INGREDIENTS: Sodium Chlorite..... 3.35%  
OTHER INGREDIENTS.....96.65%  
Total.....100.00%

Net Contents: \_\_\_5 Gallon\_\_\_30 Gallon \_\_\_55 Gallon

#### Statement of Practical Treatment:

Harmful if swallowed. May cause irritation. Avoid

FIRST AID	
<b>If inhaled</b>	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
<b>If on skin or clothing</b>	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for treatment advice.
<b>If in eyes</b>	- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye - Call a poison control center or doctor for treatment advice.
<b>If swallowed</b>	- Call a poison control center or doctor immediately for treatment advice. - Have person sip a glass of water if able to swallow. - Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
	Have the product container or label with you when calling a poison control center or doctor or going for treatment. For 24 hour emergency information on this product call NPIC at 800.858.7378.

contact with eyes.

**Notice of Warranty:** The seller makes no warranty, expressed or implied concerning this material except that it conforms to the chemical description on the label. Neither Bio-Cide International, Inc. nor the seller shall be held responsible in any manner for any personal injury or personal property damaged, or other type of loss resulting from the handling, storage or use of this material. The buyer assumes all risk and liability and accepts and uses this material on these conditions.

Your local **Keeper®** distributor can guide you in application techniques.

Manufactured by:  
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