

#### CONTRAINDICATIONS

**Sterilization:** Routine biological monitoring is not feasible with *Micro-Cide* 28 HLD 3% Glutaraldehyde and therefore, *Micro-Cide* 28 HLD 3% Glutaraldehyde should not be used to sterilize reusable medical devices that are compatible with other available methods of sterilization that can be biologically monitored, e.g.: heat, ethylene oxide or peroxide gas plasma.

*Micro-Cide* 28 HLD 3% Glutaraldehyde should not be used for sterilization of critical devices intended for single use (e.g.: catheters)

**High Level Disinfection:** *Micro-Cide* 28 HLD 3% Glutaraldehyde should not be used to high level disinfect a semi-critical device when sterilization is practical.

**Endoscope Use:** *Micro-Cide* 28 HLD 3% Glutaraldehyde is not the method of choice for sterilization of rigid endoscopes which the device manufacturer indicates are compatible with steam sterilization.

#### WARNINGS

**DANGER! Keep Out of Reach of Children.**

Direct contact is corrosive to exposed tissue, causing eye damage and skin irritation/damage. Harmful if swallowed or inhaled. Do not get into eyes, on skin or on clothing. Avoid breathing vapor. Use with adequate ventilation. See the Package Insert and the Material Safety Data Sheet for additional information.

#### PRECAUTIONS

Wear goggles or face shield and chemical resistant gloves (butyl or nitrile) and liquid proof body clothing when handling or pouring. Use in well ventilated area in closed containers. Avoid contamination of food. See the Package Insert and the Material Safety Data Sheet for additional information.

#### STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, get medical attention immediately. If swallowed, give large quantities of water and call a physician immediately. If inhaled, move to fresh air.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. See the Package Insert and Material Safety Data Sheet for additional information.

#### STORAGE CONDITIONS AND EXPIRATION DATE

The expiration date for *Micro-Cide* 28 HLD 3% Glutaraldehyde is shown on the side of the container. Store the unused and reusable solution at controlled room temperature (15°- 25°C) away from sunlight. See the Package Insert and Material Safety Data Sheet for additional information.

#### DISPOSAL

Triple rinse empty containers with water before disposal. Do not reuse empty containers. Ensure compliance with all applicable federal, state and local regulations regarding disposal of used and unused solution.

ACTIVATION DATE: \_\_\_\_\_

EXPIRATION DATE FOR ACTIVATED SOLUTION: \_\_\_\_\_

FOR EMERGENCY MEDICAL & SAFETY INFORMATION CALL (24 hrs) 1-800-255-3924.  
FOR INFORMATION REGARDING THE SAFETY AND EFFECTIVENESS OF MICRO-CIDE  
28 HLD 3% GLUTARALDEHYDE CALL 1-888-253-2536.

# Micro-Cide<sup>28</sup>™ HLD 3% Glutaraldehyde

## Reusable Sterilizing and High Level Disinfecting Solution

ACTIVE INGREDIENT	
Glutaraldehyde .....	3.0%
Inert Ingredients.....	97.0%
Total .....	100.0 %

Manufactured for:



Rolling Meadows, IL 60008 USA

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER:** See side panel for additional precautionary statements

**CONTENTS: ONE GALLON (128 fl. Oz./3.8 L)**  
Order No. MC28-04-128

#### INTENDED USE

*Micro-Cide* 28 HLD 3% Glutaraldehyde is a liquid chemical sterilant and high level disinfectant intended to sterilize or disinfect reusable medical devices which contact normally sterile areas of the body and mucous membranes, respectively, when used according to the Directions for Use.

*Micro-Cide* 28 HLD 3% Glutaraldehyde can be reused for 28 days provided the required conditions for use (glutaraldehyde concentration, time and temperature) exist based on monitoring with a chemical indicator, timer and thermometer. **DO NOT RELY SOLELY ON DAYS IN USE.** Use patterns may reduce the established reuse life of the liquid chemical sterilant.

#### DIRECTIONS FOR USE

*Micro-Cide* 28 HLD 3% Glutaraldehyde is effective as a sterilant and high level disinfectant only if the devices are thoroughly cleaned, the solution is at or above the minimum effective concentration of 1.8% glutaraldehyde and the solution is used according to the Directions for Use.

#### PREPARATION OF SOLUTION

**ACTIVATION:** Activate *Micro-Cide* 28 HLD 3% Glutaraldehyde by adding the entire contents of the activator vial which is attached to the *Micro-Cide* 28 HLD 3% Glutaraldehyde container. Shake well. When activated, solution changes color to green. Record the date of activation on the indicated space below, in a log book or on a label affixed to any secondary container used for the activated solution. See Package Insert for additional instructions and information regarding the activated solution.

*Micro-Cide* 28 HLD 3% Glutaraldehyde is intended for use in manual bucket and tray systems made from polypropylene, ABS, polyethylene, glass filled polypropylene or specially molded polycarbonate plastics.

*Micro-Cide* 28 HLD 3% Glutaraldehyde SHOULD NOT BE DILUTED.

#### PREPARATION OF DEVICES

Thoroughly clean devices to be disinfected according to device manufacturer's instructions. Blood and other body fluids must be thoroughly cleaned from surfaces, lumens, and objects before application of *Micro-Cide* 28 HLD 3% Glutaraldehyde. See the Package Insert for additional instructions and information regarding preparation of devices.

#### STERILIZATION

Immerse device in *Micro-Cide* 28 HLD 3% Glutaraldehyde solution and fill any device channels with solution, being careful to remove all air from any device channel. The device should remain in contact with *Micro-Cide* 28 HLD 3% Glutaraldehyde solution at 25°C for at least 10 hours. Remove device from the solution using aseptic technique, drain the channels and rinse according to the following directions.

**Sterile Water Rinsing:** Following immersion in *Micro-Cide* 28 HLD 3% Glutaraldehyde, thoroughly rinse the device by immersing in three separate copious volumes of sterile water for a minimum of one minute while flushing all channels. Use fresh portions of water for each rinse. See the device manufacturer's instructions for additional information about rinsing the device.

See Package Insert for additional instructions and information regarding sterilization with *Micro-Cide* 28 HLD 3% Glutaraldehyde.

#### HIGH LEVEL DISINFECTION

Immerse device in *Micro-Cide* 28 HLD 3% Glutaraldehyde solution and fill any device channels with solution, being careful to remove all air from any device channel. The device should remain in contact with *Micro-Cide* 28 HLD 3% Glutaraldehyde solution at 25°C for at least 25 minutes. Remove device from the solution, drain the channels and rinse according to the following directions.

**Rinsing:** Following immersion in *Micro-Cide* 28 HLD 3% Glutaraldehyde, thoroughly rinse the device by immersing in three separate copious volumes of water for a minimum of one minute while flushing all channels. Use fresh portions of water for each rinse. See the device manufacturer's instructions for additional information about rinsing the device.

See Package Insert for additional instructions and information regarding High Level Disinfection with *Micro-Cide* 28 HLD 3% Glutaraldehyde.

#### REUSE

*Micro-Cide* 28 HLD 3% Glutaraldehyde may be reused for a maximum of 28 days provided the minimum effective concentration of 1.8% glutaraldehyde, time and temperature are maintained. Cold SteriLog™ 2.1% Glutaraldehyde Monitor\* should be used before each use of *Micro-Cide* 28 HLD 3% Glutaraldehyde solution to determine the glutaraldehyde concentration is above the minimum effective concentration of 1.8%\*.

**DO NOT USE BEYOND 28 DAYS EVEN IF THE CONCENTRATION OF GLUTARALDEHYDE IS ABOVE THE MINIMUM EFFECTIVE CONCENTRATION (1.8%) AS INDICATED BY the Cold SteriLog™ 2.1% Glutaraldehyde Monitor\*.**

**DO NOT USE THE COLD STERIOLOG™ 1.8% GLUTARALDEHYDE MONITOR WITH THE MICRO-CIDE 28 HLD 3% GLUTARALDEHYDE SOLUTION. THE USE OF THIS MONITOR WILL PRODUCE ERRONEOUS RESULTS.**

See the Package Insert for additional instructions and information regarding the reuse of *Micro-Cide* 28 HLD 3% Glutaraldehyde.

\* Cold SteriLog™ is a trademark of the 3M corporation. The Cold SteriLog™ 2.1% Glutaraldehyde Monitor has been verified for use with *Micro-Cide* 28 HLD 3% Glutaraldehyde solution and provides a "margin of safety" above the Minimum Effective Concentration of 1.8%.

Manufactured for Micro-Scientific Industries Incorporated, Rolling Meadows, IL, 60008, USA



STATE OF HAWAII  
Department of Agriculture

**ACCEPTED**  
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