

**GENERAL INFORMATION**

ZYLUM (50%), cationic germicide-sanitizer, is a 50% active solution composed of a combination of 25% n-Alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>) dimethyl benzyl ammonium chlorides and 25% n-Alkyl (68% C<sub>12</sub>, 32% C<sub>14</sub>) dimethyl ethylbenzyl ammonium chlorides which possess high bactericidal potency.

ZYLUM (50%) has a minimum phenol coefficient of 604 vs. *S. typhosa* and 926 vs. *S. aureus* at 20° C.

"This product fulfills the criteria of Appendix F of the Grade 'A' Pasteurized Milk Ordinance 1965 Recommendations of the U.S. Public Service in waters up to 750 p.p.m. of hardness calculated as CaCO<sub>3</sub> when tested by the A.O.A.C. Germicidal and Detergent Sanitizers Official Method."

E.P.A. Registration No. 906-23


**FOR GENERAL SANITIZATION IN FOOD PROCESSING PLANTS.** First clean surfaces of equipment, rinse free of all cleaning materials, then wash thoroughly or immerse in 200 ppm ZYLUM solution for two minutes, drain and air dry. When used at 200 ppm on food processing equipment, no potable water rinse is required after use and thorough drainage of equipment, except in plants subject to inspection under the U.S.D.A. Consumer and Marketing Service, Meat and Poultry Inspection Program.

**FOR GENERAL DISINFECTION.** Institutional areas such as floors, walls, ceilings, toilets and other environmental hard surfaces first clean with a good cleaning agent, rinse free of all cleaning materials, then spray with 800 ppm ZYLUM solution or sponge with 450 ppm ZYLUM solution.

For additional information write to TYKOR DEPARTMENT, Borden Chemical, Division of Borden Inc., P.O. Box 2478, Columbus, Ohio 43215

ACCEPTED  
JAN 21, 1972  
UNDER THE FEDERAL INSECTICIDE  
FUNCTIONAL AND RELATED USE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. 1617-4

*Comments*



# ZYLUM

50% Concentrate

## GERMICIDE • SANITIZER

<b>ACTIVE INGREDIENTS</b>	
n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides	25%
n-Alkyl (60% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides	25%
<b>INERT INGREDIENTS</b>	
Water	50%
Total 100%	

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

NET CONTENTS ONE GALLON

Distributed by  
**TYKOR DEPARTMENT**  
Borden Chemical, Division of Borden, Inc.  
Columbus, Ohio 43215



**DILUTION**

For greater accuracy it is recommended that use-dilutions be prepared from a 10% ZYLUM stock solution instead of directly from the 50% concentrate.

**DIRECTIONS FOR PREPARING 10% ZYLUM STOCK SOLUTION**

To prepare a 10% solution of ZYLUM, pour carefully one gallon of 50% ZYLUM concentrate into four gallons of distilled, deionized or tap water. Stir gently and, if necessary, filter solution before bottling. A mixing tank made of porcelain, glass-lined or stainless steel is recommended.

**DIRECTIONS FOR DILUTING 10% ZYLUM STOCK SOLUTION**

ACTIVE ZYLUM	AMOUNT ZYLUM (10%)
200 ppm (1:5,000)	1 ounce (2 tablespoons) to 4 gallons water
450 ppm (1:2,222)	3 ounces (6 tablespoons) to 5 gallons water
800 ppm (1:1,250)	1 ounce (2 tablespoons) to 1 gallon water

**IMPORTANT:** Do not mix with soap or anionic detergents. When soap or an anionic detergent is used for cleaning, rinse surfaces thoroughly with water before sanitizing.

**DANGER: KEEP OUT OF REACH OF CHILDREN.** Corrosive. Harmful or fatal if swallowed. Causes severe eye and skin damage. Do not get in eyes, or skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food.

**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician, remove and wash contact lenses, if retained, for reuse.

**NOTE TO PHYSICIAN:** Profound hypotension may indicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

*Rinse empty container thoroughly with water and discard.*

ACCEPTED WITH COMMENTS