

6836-14

9-1-1970

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**Baird**

WE HAVE MOVED

22-10 ROUTE 208  
FAIRLAWN, N. J. 07410  
TELEPHONE 201 - 791-7500

CHEMICAL INDUSTRIES, INC.

K, N. Y. 10016, TEL. 689-9830 Cable Address: BAIRD-CHEM

Registered Label for BARQUAT MB-80

BARQUAT MB-80

Active Ingredients: Alkyl\* Dimethyl Benzyl Ammonium----80%  
Chloride  
\*(C<sub>14</sub>, 50%; C<sub>12</sub>, 40%; C<sub>16</sub>, 10%)  
Ethanol-----20%  
100%

55 Gallons/Net Weight 425 pounds

USDA Reg. No. 6836-14

## DANGER:

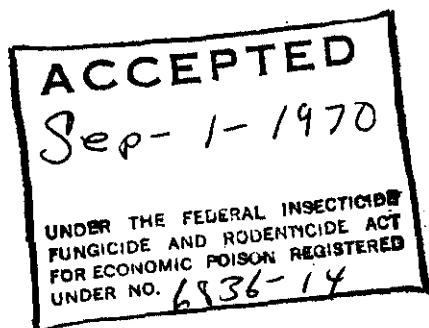
- 12 pt. type*
- Keep out of the reach of children.
  - Causes severe eye and skin damage.
  - Do not get in eyes, on skin or on clothing.  
Wear goggles or face shield and rubber gloves when handling.
  - Harmful or fatal if swallowed. Avoid contamination of food.

## FIRST-AID:

- 18 pt. type*
- In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes. For eyes, get medical attention. Remove and wash contaminated clothing before re-use. If swallowed, do not induce vomiting. Drink large quantities of liquids, and call a physician.

For Manufacturing Use Only - See Technical Bulletin for Recommended Uses.

BAIRD CHEMICAL INDUSTRIES, INC. - FAIR LAWN, N.J. - PEORIA, ILLINOIS - OSSINING, N. Y.



MANUFACTURING PLANTS: OSSINING, NEW YORK • PEORIA, ILLINOIS



## PRODUCT INFORMATION

BARQUAT MB-50  
BARQUAT MB-80

ACCEPTED

SEP-1-1970

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. 6836-14

### CHEMICAL PROPERTIES

#### Active Ingredients:

		BARQUAT	
		MB-50	MB-80
Alkyl* Dimethyl Benzyl Ammonium Chloride.....		50%	80%
*(C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%)			
Ethanol .....		10%	20%
Inert Ingredients:			
Water .....		40%	--
Total		100%	100%

### PHYSICAL PROPERTIES

Specific Gravity, @ 20°C	0.979	0.942
Color, Gardner Scale	1	1
Viscosity, Gardner Scale, @ 20°C	D-F	J-K

### USDA REGISTRATION NUMBER

6836-2      6836-14

### BIOLOGICAL PROPERTIES

ORGANISM	PHENOL COEFFICIENT		AOAC TESTS USE-DILUTION (as is basis)		HARD WATER TOLERANCE
	MB-50	MB-80	MB-50	MB-80	
Staphylococcus aureus	375	600	800 ppm	500 ppm	
Salmonella choleraesuis			800 ppm	500 ppm	
Escherichia coli	200	320			550 ppm hardness
Pseudomonas aeruginosa	200	320	1600 ppm	1000 ppm	
Salmonella typhosa	275	440			
Proteus vulgaris	175	280			
Streptococcus viridans	300	480			

## APPLICATIONS-GENERAL

BARQUAT MB-50 and BARQUAT MB-80 (BARQUAT MB-50/80) are specially selected blends of Alkyl Dimethyl Benzyl Ammonium Chlorides chosen to give excellent effectiveness against bacteria in hard water and a variety of formulations for sanitizers, disinfectants and sanitizer-cleaners for farms, hospitals, homes, dairies, institutions, food plants, offices, etc. It can also be used to control algae in swimming pools.

BARQUAT MB-50/80 meets the U.S. Pharmacopeia specification for Benzalkonium Chloride.

This product is also cleared for use in sanitizing solutions in the Federal Register - 121.2547.

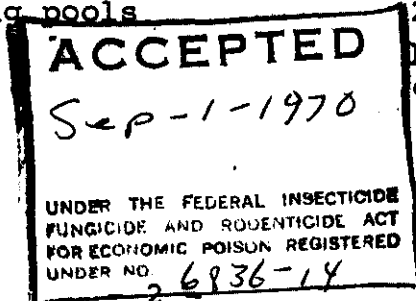
In some applications for quaternaries the <sup>40%</sup>~~30%~~ water found in commonly available products is undesirable. BARQUAT MB-80 was specifically designed to eliminate the processing problems associated with handling unnecessary water such as when complexing with urea. It is quite popular for use in many other formulations where a minimum of water is desirable. Savings in freight and space also result from this higher concentration.

## TYPICAL FORMULATIONS

	<u>Sanitizer</u>	<u>Liquid Detergent Sanitizer</u>	<u>Powdered Detergent Sanitizer</u>
BARQUAT MB-50/80 (active)	10%	10%	10%
Nonionic surfactant	--	2.5%	5%
Organic sequestrant	--	0.15%	--
Soda Ash	--	--	30%
Sodium metasilicate	--	--	5%
Sodium tripolyphosphate	--	--	40%
Water	Balance	Balance	Balance

## RECOMMENDED USE LEVELS

<u>Application Areas</u>	<u>Recommended Use Levels</u>
General Disinfection	400 (ppm-active ingredient)
Sanitizing*	200
Microorganism Control - eg. Secondary Oil Recovery	5-10
Fungi Control	100-25
Laundry Sanitization	100-200
Algae Control - eg. Swimming pools	2 ppm initially to clean pool, followed by 2 ppm every 5-7 days.



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\*FDA CLEARANCE

Paragraph 121.2547 of the Federal Register allows the use of BARQUAT MB-50/80 in sanitizing solutions up to a 200 ppm use concentration.\*

\*(This concentration is based on 100% quaternary).

PRODUCT REGISTRATION

Products containing quaternary ammonium compounds with germicidal claims like BARQUAT MB-50/80 that are shipped in interstate commerce, require registration by the U. S. Department of Agriculture under the Federal Insecticide, Fungicide and Rodenticide Act. Some state authorities also require such registrations.

Baird Chemical Industries will be glad to discuss your label registration with you.

HANDLING PRECAUTIONS

DANGER: Keep out of reach of children. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. 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 contaminated clothing before re-use. If swallowed, do not induce vomiting, drink large quantities of fluid and call a physician immediately.

