



### HYGENE MARK IV BACTERIOSTATIC WATER FILTER MEDIA

- Removes objectionable tastes, odors, and color from treated municipally supplied tap water
- Inhibits the growth of bacteria within the filter media bed

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

OCT 12 1984

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
35900-76

### WHAT IT IS AND HOW IT WORKS

The physical characteristics of HYgene Mark IV Bacteriostatic Water Filter Media are comparable to those of granular activated carbon, upon which a silver coating has been deposited. Carbon was chosen as the carrier material because of its exceptionally high available surface area for the deposit of silver, and also to perform the usual functions of an activated carbon filter media by removing the many impurities often found in potable water supplies such as turbidity, suspended solids, chlorine, and objectionable tastes and odors.

Silver, which has been chemically plated onto the activated carbon, is the Bacteriostatic agent in HYgene Mark IV Bacteriostatic Water Filter Media. A Bacteriostatic Filter Media is one which will inhibit the growth of bacteria within the filter bed.

Since "potable" water can, by law, contain a certain number of harmless bacteria indigenous to municipally treated water, the potential for a build-up or growth of these bacteria trapped within the filtering medium does exist.

The low level of bacteria in tap water along with organic compounds normally present in a water supply become trapped in the filter bed medium. After a period of time, the filter bed will contain considerable number of bacteria and in the presence of the organic compounds, which becomes a source of nutrients for bacteria, this filter becomes a breeding place for bacterial growth especially during non-flow periods when the water is not in use, such as overnight.

### WHO MAY USE THIS PRODUCT

HYgene Mark IV Bacteriostatic Water Filter Media is to be used only for manufacturing or fabricating bacteriostatic water filter products for home use. Filter manufacturers or formulators who use this media are responsible for providing data to the United States Environmental Protection Agency to support the registration of their products.

# HYGENE MARK IV BACTERIOSTATIC WATER FILTER MEDIA PRODUCT DATA

## DIRECTIONS FOR USE

## GENERAL CLASSIFICATION

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

HYgene Mark IV Bacteriostatic Water Filter Media requires an initial rinse before use to remove excess carbon fines and entrapped air. This rinse rate should be proportionate to a bed of 0.25 lb. media, at a flow rate of 0.25 gpm for 15 minutes. Following this initial rinse, the inservice flow rate is not to exceed 0.25 gpm per 0.25 lb. of media.

## SPECIFICATIONS

### INGREDIENTS

#### ACTIVE INGREDIENT

Metallic Silver - 0.026%

#### INERT INGREDIENT

Activated Carbon - 99.974%

### STORAGE

Store in closed container which excludes moisture and chemical fumes.

### MESH SIZE

12 x 30 U.S. Sieve Series

### PACKAGING

6 Cu. Ft. Fiber Drum

1 Cu. Ft. Carton

### WEIGHT

30 Lb. Per Cubic Foot

### SHIPPING POINT

Bridgeville, Pennsylvania

### TREATING CAPACITY

Per Pound . . . . . 1,000 Gallons

Per 0.25 Pound . . . . . 250 Gallons

8/20/84

ENCLOSURE II

PROPOSED PRODUCT CARTON LABEL

# HYgene Mark IV

## BACTERIOSTATIC WATER FILTER MEDIA

Removes objectionable tastes, odors, color from  
treated municipally—supplied tap water  
Inhibits the growth of bacteria within the filter  
media bed.

**CAUTION: KEEP OUT OF REACH OF CHILDREN**  
EPA Reg. No. 35900— EPA Est. No. 35900 PA 01

### ACTIVE INGREDIENT

METALLIC SILVER---- 0.026 % LOT No. \_\_\_\_\_

### INERT INGREDIENT

ACTIVATED CARBON-- 99.974 % NET CONTENTS \_\_\_\_\_ cu. ft.

STORAGE----- Store in closed container which excludes  
moisture and fumes.

DIRECTIONS FOR USE----- Refer to enclosed product data sheet.

DISPOSAL OF SPENT MEDIA---- Retain Shipping carton and liner for disposing  
of exhausted filter media with trash,

USE----- This product is to be used only for  
manufacturing or fabricating Bacteriostatic  
Water Filter Products for home use.

Another fine product by the manufacturers of General Ionics Water Conditioning Equipment.



3039 WASHINGTON PIKE, BRIDGEVILLE, PA 15017

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35900-16