

DIACHLOR^R CHLORINE DIOXIDE
SANITIZER - DISINFECTANT

USES:

GENERAL DISINFECTION

For use in homes, hotels, motels, schools, zoos, and food processing plants.

Use 1 ounce DIACHLOR CHLORINE DIOXIDE diluted with 19 ounces of water (1:20) or use 1 gallon DIACHLOR CHLORINE DIOXIDE diluted with 19 gallons of water (1:20).

HOSPITAL DISINFECTION

Use 1 ounce DIACHLOR CHLORINE DIOXIDE diluted with 9 ounces of water (1:10) or use 1 gallon DIACHLOR CHLORINE DIOXIDE diluted with 9 gallons of water (1:10).

APPLICATION

Surface to be disinfected must be clean. Apply use dilution directly as a rinse, dip, or soak to floors, woodwork, walls, desks, utensils or equipment.

Utensils and equipment that come in direct contact with food must be rinsed with potable water before reuse.

RINSE ORIGINAL EMPTY CONTAINERS WITH WATER BEFORE DISCARDING.

INGREDIENTS

Active Ingredient: Chlorine Dioxide	0.5%
Inert Ingredients	99.5%
AVAILABLE CHLORINE CONTENT	1.31%

DILUTION TABLE

<u>GENERAL DISINFECTION</u>	<u>HOSPITAL DISINFECTION</u>
1 oz. DIACHLOR CHLORINE DIOXIDE diluted with 19 oz. of water	1 oz. DIACHLOR CHLORINE DIOXIDE diluted with 9 oz. of water
1 cup DIACHLOR CHLORINE DIOXIDE diluted with 19 cups of water	1 cup DIACHLOR CHLORINE DIOXIDE diluted with 9 cups of water
1 pt. DIACHLOR CHLORINE DIOXIDE diluted with 19 pts. of water	1 pt. DIACHLOR CHLORINE DIOXIDE diluted with 9 pts. of water
1 qt. DIACHLOR CHLORINE DIOXIDE diluted with 19 qts. of water	1 qt. DIACHLOR CHLORINE DIOXIDE diluted with 9 qts. of water
1 gal. DIACHLOR CHLORINE DIOXIDE diluted with 19 gals. of water	1 gal. DIACHLOR CHLORINE DIOXIDE diluted with 9 gals. of water

E.P.A. REGISTRATION NO. 10893-1

NET CONTENTS 55 GALLONS

ACCEPTED

AUG 1 1973

UNDER THE FEDERAL INSECTICIDE, FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 10893-1 SUBJECT TO ATTACHED COMMENTS.

CAUTION

KEEP OUT OF REACH OF CHILDREN

All use concentrations of DIACHLOR CHLORINE DIOXIDE are harmful if taken internally. If swallowed, contact a physician. Avoid eye contact with use concentrations recommended on this label. In case of contact, rinse the affected area thoroughly with water; if irritation persists, contact a physician. Avoid direct inhalation of fumes.

KEEP AWAY FROM EXCESSIVE HEAT AND SUNLIGHT

DIACHLOR[®] CHLORINE DIOXIDE
DISINFECTANT - SANITIZER

For almost the past 150 years, the scientific application of disinfectants, sterilants and preservatives has been limited to a few practical practices that were more or less effective and go back to ancient times.

In 1932 Patterson gave definitions of words which reflect many of our present day usages. The results of his extensive studies form the basis for the laboratory procedures used to determine the efficacy of the term "disinfectant" and "sanitizer."

DISINFECTANT - An agent that frees from infection; usually a chemical agent which destroys disease germs or other harmful micro-organisms (but not ordinarily bacterial spores); commonly used as a substance applied to inanimate objects. (Patterson 1932).

SANITIZER - An agent that reduces the microbial contaminates to safe levels as determined by public health requirements. Commonly used in the control of bacterial contamination of equipment and utensils in dairies and other food processing plants; silverware; dishes and glasses in eating and drinking establishments where specific infectious agents are known or suspected to be present, and where the complete destruction of all forms of micro-organisms is not necessary. (McCulloch 1945)

DIACHLOR[®] CHLORINE DIOXIDE:

... is a chemical agent that contains (ClO₂) in amounts where simple dilution provides a disinfectant or a general sanitizer. See use label.

... reacts completely in water phase and is miscible in all proportions.

DILUTION TABLE

For General Disinfection:

- 1 fl. oz. DIACHLOR[®] CHLORINE DIOXIDE diluted with 19 oz. of water
- 1 cup DIACHLOR[®] CHLORINE DIOXIDE diluted with 19 cups of water
- 1 pt. DIACHLOR[®] CHLORINE DIOXIDE diluted with 19 pts. of water
- 1 qt. DIACHLOR[®] CHLORINE DIOXIDE diluted with 19 qts. of water
- 1 gal. DIACHLOR[®] CHLORINE DIOXIDE diluted with 19 gals. of water

For Hospital Disinfection:

- 1 fl. oz. DIACHLOR[®] CHLORINE DIOXIDE diluted with 9 oz. of water
- 1 cup DIACHLOR[®] CHLORINE DIOXIDE diluted with 9 cups of water
- 1 pt. DIACHLOR[®] CHLORINE DIOXIDE diluted with 9 pts. of water
- 1 qt. of DIACHLOR[®] CHLORINE DIOXIDE diluted with 9 qts. of water
- 1 gal. DIACHLOR[®] CHLORINE DIOXIDE diluted with 9 gals. of water

CHEMICAL & PHYSICAL PROPERTIES:

Concentration (ClO ₂ at 20°C	5000 ppm 5%
Specific Gravity	1.105
Boiling Point	101.6°C
Freezing Point	-34°C
pH	Acid
Solubility	Completely miscible with water
Corrosivity	Non-Corrosive when used

which reflect many of our present day usages. The results of his extensive studies form the basis for the laboratory procedures used to determine the efficacy of the term "disinfectant" and "sanitizer."

DISINFECTANT - An agent that frees from infection; usually a chemical agent which destroys disease germs or other harmful micro-organisms (but not ordinarily bacterial spores); commonly used as a substance applied to inanimate objects. (Patterson 1932).

SANITIZER - An agent that reduces the microbial contaminates to safe levels as determined by public health requirements. Commonly used in the control of bacterial contamination of equipment and utensils in dairies and other food processing plants; silverware; dishes and glasses in eating and drinking establishments where no specific infectious agents are known or suspected to be present, and where the complete destruction of all forms of micro-organisms is not necessary. (McCulloch 1945)

DIACHLOR^R CHLORINE DIOXIDE:

. . . is a chemical agent that contains (ClO₂) in amounts where simple dilution provides a disinfectant or a general sanitizer. See use label.

. . . reacts completely in water phase and is miscible in all proportions.

. . . is effective against both gram negative and gram positive organisms.

With the introduction of DIACHLOR^R CHLORINE DIOXIDE, Chemical Generators Inc. offers a chemical that destroys a group spectrum of micro-organisms by oxidation action.

- 1 pt. DIACHLOR^R CHLORINE DIOXIDE diluted with 19 pts. of water
- 1 qt. DIACHLOR^R CHLORINE DIOXIDE diluted with 19 qts. of water
- 1 gal. DIACHLOR^P CHLORINE DIOXIDE diluted with 19 gals. of water

For Hospital Disinfection:

- 1 fl. oz. DIACHLOR^R CHLORINE DIOXIDE diluted with 9 oz. of water
- 1 cup DIACHLOR^R CHLORINE DIOXIDE diluted with 9 cups of water
- 1 pt. DIACHLOR^R CHLORINE DIOXIDE diluted with 9 pts. of water
- 1 qt. of DIACHLOR^R CHLORINE DIOXIDE diluted with 9 qts. of water
- 1 gal. DIACHLOR^R CHLORINE DIOXIDE diluted with 9 gals. of water

CHEMICAL & PHYSICAL PROPERTIES:

Concentration (ClO ₂ at 20°C	5000 ppm ± 5%
Specific Gravity	1.105
Boiling Point	101.6°C
Freezing Point	-33°C
pH	Acid
Solubility	Completely miscible with water
Corrosivity	Non-Corrosive when used at recommended dilutions
Color	Yellow-Green
Odor	Pungent ozone type odor

Plant: 150 Bennington Drive, Rochester, N. Y. 14610

CHEMICAL GENERATORS INC.

Office: 41 Home Road E., Rochester, N.Y. 1