

SONACIDE®

STERILIZING AND DISINFECTING SOLUTION Rapid acting and stable • Use undiluted

Recommended for sterilizing and disinfecting of rubber and plastic objects, lenses and stainless steel surgical and medical instruments.

CAN BE USED IN ULTRASONIC CLEANERS

Active ingredients
Glutaraldehyde (1.5 Pentanedial) 2
Inert ingredients* 98

*Contain Non ionic ethoxylates of isomeric linear alcohols
($(CH_2)_n(CH_2)_mO(CH_2-CH_2-O)_nH$ with 11, n = 15) as synergistic agents

WARNING: HARMFUL IF SWALLOWED

E.P.A. Registration No. 15136-1 See other precautions on back label
Net contents: 1 U.S. gallon (128 Fl. Ozs.)

WAVE ENERGY SYSTEMS INC.

NEWTOWN Pa. U.S.A.

SONACIDE

DIRECTIONS FOR USE PREPARATION FOR STERILIZATION OR DISINFECTION

Recommended for use in Hospitals, Dental and Medical Offices and Veterinary Hospitals. Instruments should be thoroughly cleansed, rinsed and drained before immersing in undiluted SONACIDE. Hollow objects and needles should be flushed and filled.

STERILIZATION Immerse objects to be sterilized in SONACIDE solution maintained at 60°C for **60 minutes**. Remove and rinse with sterile water. This is a complete sterilization procedure including the destruction of viruses and tubercule bacilli.

DISINFECTION Immerse objects in SONACIDE solution maintained at 60°C for **5 minutes** to destroy vegetative organisms including Pseudomonas species and pathogenic fungi.

Any standard thermostatically controlled heating bath may be used.

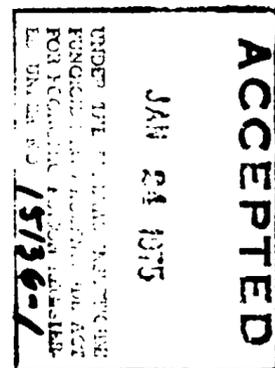
OR immerse objects in the solution for **10 minutes** at room temperature to destroy vegetative organisms including Pseudomonas species and pathogenic fungi. *When used as directed this product will disinfect against Influenza A- (Hong Kong) virus, Herpes Simplex virus, Newcastle Disease Virus, and Echo virus Type 25 on inanimate surfaces. ** To destroy tubercule bacilli immerse objects for **20 minutes**. Instruments should be removed and rinsed. Where necessary store under sterile conditions.

PRECAUTIONS: For Professional Use Only

WARNING: Causes eye irritation. In case of contact with the eye, flush well with water and seek medical aid. Avoid prolonged and repeated contact with skin as possibility of sensitization exists. Avoid contamination of food.

Use in covered containers to avoid evaporation and to minimize odor. For container disposal, rinse thoroughly with water and discard.

*Aqueous solutions of glutaraldehyde are inherently acidic and generally the pH lies between 2.7 to 3.9



Indications: For use in the treatment of...
Availability: ...

No
Postage Stamp
Necessary
If Mailed in the
United States

Wave Energy Systems Inc.
Newtown Commons
Newtown, Pa. 18940
(215) 968-3833



Postage will be paid by Addressee

WAVE ENERGY SYSTEMS INC.
NEWTOWN COMMONS
NEWTOWN, PA 18940

- Please send me more information about Sonacide
- Please have a Wave Energy Systems representative call on me.

Name _____
Position _____
Company _____
Address _____
City _____ State _____ Zip Code _____
Phone _____

Directions for Use: Quaternary ammonium compounds are used to treat a
maximum of 1000 sq ft of surface. Sonacide kills all bacteria, viruses, and
fungi on the surface.

Sterilization: Sonacide kills all bacteria, viruses, and fungi on the surface.
It is not a sterilant.

Disinfection: Sonacide kills all bacteria, viruses, and fungi on the surface.
It is not a disinfectant.

Read the label carefully with the use of the Wave Energy Systems Sonacide
product. Use only as directed.

SONACIDE

ACCEPTED

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15136-1

Can be used at room temperature, with moderate heat, and even in autoclaves. Can withstand

ultrasonic irradiation.

Leaves a smaller residue than buffered alkaline solutions.

1. 11 M. Tuberculosis in 20 minutes at room temperature.

Can be time-limited for the broad identity, can be practically used and required 4 to 5 weeks in open container at room temperature or in closed container at elevated temperature.

Does not affect elasticity, the sharpness of cutting instruments, or the markings on thermometers.

Does not coagulate blood.

The Story of Sonacide

The story of Sonacide is a story of persistence and scientific discovery. It began with the search for a more effective sterilant than the traditional alkaline solutions. The initial experiments were conducted in a laboratory setting, where the properties of various chemical compounds were tested. The discovery of Sonacide was a result of a series of trials and errors, leading to the identification of a unique chemical formula that proved to be highly effective against a wide range of microorganisms.

The development of Sonacide was a collaborative effort involving scientists from different disciplines. The initial research was supported by a grant from the National Institutes of Health, which allowed the researchers to explore the potential of this new sterilant. The results of their work were published in a scientific journal, where they were met with both interest and skepticism. However, as more data was collected and the effectiveness of Sonacide was demonstrated in a variety of practical applications, the initial doubts were dispelled.

The story of Sonacide is a testament to the power of scientific inquiry and the importance of perseverance. It shows how a single idea, when pursued with dedication and supported by a community of researchers, can lead to a significant breakthrough. The development of Sonacide has not only advanced the field of sterilization but has also provided a valuable tool for medical and laboratory settings.

Editor's experiments recently showed that it is possible to reduce sterilization time with Sonacide to 10 minutes when pairing ultrasonics as a synergistic agent.



With 10 minutes of ultrasonics, the sterilization time is reduced to 10 minutes. This is a significant improvement over the standard alkaline solution, which requires 40 minutes for the same level of efficiency.

A HIGH SPEED

~~AVAILABLE~~ ~~AVAILABLE TODAY~~
SONACIDE

Kills all microorganisms, including vacuum-dried spores, ~~10 times faster than any other sterilizing solution registered at the Environmental Protection Agency.~~

in 60 minutes. This is a complete sterilization procedure including the destruction of viruses and tubercle bacilli.



Provides complete disinfection, ~~according to the latest Environmental Protection Agency requirements.~~

this product is registered under EPA Reg. No. 15156-1.

Bactericidal action assures death of highly resistant Pseudomonas strains... kills pathogenic fungi and viruses.



Kills all microorganisms, including vacuum dried spores, ~~10 times faster than any other sterilizing solution registered at the Environmental Protection Agency.~~



in 60 minutes. This is a complete sterilization procedure including the destruction of viruses and tubercle bacilli.

provides complete disinfection, according to latest Environmental Protection Agency requirements.

Bactericidal action assures death of highly resistant Pseudomonas strains... kills pathogenic fungi and viruses.

product is registered for EPA Reg. No. 15156-1.



as a disinfectant. Temperature will kill Influenza A₂ Hong Kong, Herpes simplex, Newcastle Disease Virus, and other viruses on surface. It is

The first new sterilizing solution in over a decade

Sets new standards in speed, safety, stability and biocidal capability

COMPARES WITH OTHERS

STERILIZING AGENT	HOW USED	TEMP.	TIME FOR STERILIZATION	Main Limitations of today's sterilizing methods
SONACIDE				vapour could be aggressive when heated above 37°C.
STEAM				cannot sterilize heat sensitive materials
FORMALDEHYDE				long exposure time hours for sporicidal action, aggressive vapour, pungent odor and corrosive.
IODINE				poor sporicidal activity, appreciable inactivation by organic matter.
ALKALINE GLUTARALDEHYDE Glutaral				requires premixing, not stable in presence of heat or ultrasonics, short life after mixing, leaves an alkaline salt residue.
ETHYLENE OXIDE				explosive gas, aggressive chemical, needs long deaeration time after processing, cannot be reused (one time use).



Industrial Applications

For inquiry, contact:
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