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MAINTEX SANICIDE 94
Disinfectant / Sanitizer
EPA #6836-58-6885

Description

Sanicide 94 is one-step, highly concentrated, neutral pH, hard surface disinfectant and sanitizer. When used as directed, this product will deliver effective biocidal action against bacteria. This formulation is a blend of a premium active ingredient. Biocidal performance is attained when this product is properly at 4.5oz per 4 gallons of water.

Sanicide 94 can be used to disinfect a wide variety of hard surfaces such as tabletops, desks, floors, walls, and countertops, bathing areas, lavatories, bed frames, kennel areas, silverware, glasses, refrigerated storage space, dishes, and food processing equipment. This product also can be used to disinfect barber tools such as combs, brushes, scissors, and razors.

Regulatory Summary

EPA Registration No. 6836-58
California Reg: YES
Canadian PCP No: 23257

Physical Properties

Weight per gallon @ 25C	8.3
Specific Gravity @ 25C	0.99

Summary of Antimicrobial Test Results

Sanicide 94 is a "One - Step" Disinfectant and Sanitizer. Listed below is a summary of the Antimicrobial Claims and a review of the test results.

Claim: Disinfectant	Contact Time: 10 minutes	Organic Soil: DI Water	Water Conditions: 500ppm as CaCO3
Test Method: Official Method of the AOAC, 14 Edition - Use - Dilution Method			

Organism	ATCC#	Use- Dilution Concentration	Hard Water Condition	Replicates	Results
Pseudomonas aeruginosa	15442	900 ppm (4.5oz / 4 gal)	500 ppm	60, 60, 60	0/60, 1/60, 1/60
Salmonella choleraesuis	10708	470 ppm (3 oz / 5.5 gal)	500 ppm	60, 60, 60	0/60, 1/60, 1/60
Staphylococcus	6538	470 ppm	500 ppm	60, 60, 60	0/60, 0/60, 0/60

MSDS

Material Safety Data Sheet 1453
Conforms to ANSI Z-400.1-1993

MAINTEX

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City of Industry, CA 91746

(800) 446-1888

Chemtel 24 Hour Emergency Response (800) 255-3924

1 Chemical Product and Company Identification

Product: **Sani-Cide 94** Classification: Disinfectant/Sanitizer C30

2 Composition/Information on Hazardous Ingredients

Material	CAS#	%	OSHA(PEL)	TLV(ppm)	Other
Dimethyl benzyl ammonium chloride	6844-85-1	10	N/A	N/A	N/A

3 Hazards Identification

Emergency Overview: Corrosive. Causes skin and eye irritation. Avoid contact with skin and eyes.

DANGER!

Contact with Eyes: Direct contact with concentrated product may cause moderate irritation.

Contact with Skin: Repeated or prolonged contact with skin may cause irritation, drying and/or dermatitis.

Skin Absorption: No data.

Ingestion Symptoms: Irritation, nausea, vomiting and diarrhea.

Inhalation Symptoms: Excessive exposure to mists/vapors may irritate respiratory tract and result in headache and nausea.

Chronic Effects: Overexposure may result in allergic skin reactions.

It is important to determine whether exposure is to concentrated or dilute product. The information in this document is intended to deal with exposure to concentrated product. Generally, exposure to diluted product will result in substantially less risk of injury than described herein.

4 First Aid Measures

Eyes: If eyes are contacted, flush with water for 15 minutes. If irritation persists seek medical attention.

Skin: If skin is contacted, wash affected area with soap and water. If irritation persists, seek medical attention.

Inhalation: If discomfort is experienced after prolonged exposure to mists/vapors, remove to fresh air. If breathing is difficult, give oxygen and seek medical attention.

Ingestion: If ingested, do NOT induce vomiting. Give moderate amounts of water to wash out mouth area and dilute remaining residue. Seek medical attention.

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5 Fire Fighting Measures

Flash Point(F° TCC): >200°F

Flammable Limits: LEL No Data

UEL No Data

Auto Ignition Temperature: No Data

Extinguishing Media: Water Spray, Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures:

Firefighters should wear a positive pressure NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.

6 Accidental Release Measures

Large Spills (65 gallons or more):

Wear rubber boots, gloves and appropriate protective clothing. Shut off source of leak if safe to do so. Dike and contain spill.

Small Spills:

Mop up spill and rinse area.

7 Handling and Storage

Handling: Keep out of reach of children. Follow appropriate hygiene practices.

Storage: Store in a cool, dry place.

8 Exposure Controls/Personal Protection

Ventilation and Engineering Controls:

Local exhaust

Respiratory Protection:

If used according to directions respirator not required.

Protective Gloves:

Rubber Gloves

Eye Protection:

Chemical Splash Goggles

Other Protective Equipment:

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9 Physical and Chemical Properties

Boiling Point(F°): >212°F Solubility in Water: Complete Odor: Neutral
Specific Gravity: 0.99 Volatiles(% by Wt.): 90 pH: 7 ± 0.5
Appearance: Clear Liquid Vapor Density: >1 VOC: N/A
Evaporation Rate: <1 Vapor Pressure: <17 mm Hg Freezing Point(F°): <32°F

< means less than > means greater than

These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specific items.

10 Stability and Reactivity

Stability: Stable Conditions to Avoid: Temp. Extremes

Materials to Avoid: Strong Oxidizers, Anionic detergents will neutralize Quats and render them ineffective.

Hazardous Decomposition Products:

Carbon oxides, ammonia, nitrous oxides, hydrogen chloride

Hazardous Polymerization:

Will Not Occur

11 Toxicological Information

No Toxicology Information is available.

12 Ecological Information

No data available.

13 Disposal Considerations

Waste Disposal Method:

Dispose of waste in accordance with federal, state and local regulations

14 Transport Information

HAZMAT: No Hazard Code: N/A ID Number: N/A Hazard Class: N/A

Hazardous Division: None

Packaging Group: N/A

Hazardous Contents: None

15 Regulatory Information

Proposition 65: Not Listed.

EPA: Yes

16 Other Information

HMIS/NFPA Hazard Rating: Health Flammability Reactivity

The information contained herein is based on the data available to us. It is believed to be correct. No warranty, expressed or implied, is made regarding the accuracy of this data or the results to be obtained from the use thereof. For further information consult Maintex, Inc.

MSDS Approval Date: 1/30/2007

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aureus	(3 oz / 5.5 gal)
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Conclusion: Sanicide 94 effectively killed the above listed bacteria as specified in the test performance standards. **Sanicide 94** is a Disinfectant against the above listed bacteria on nonporous inanimate hard surfaces when diluted to 470 ppm in 500 ppm synthetic hard water in the presence of 5% organic soil.

Claim: No Rinse Food contact Sanitizer	Contact Time: 1 minutes	Organic Soil:	Water Conditions: 500ppm as CaCO3
Test Method: Official Method of the AOAC, 14 Edition – Use – Dilution Method			

Organism	ATCC#	Use- Dilution Concentration	Hard Water Condition	Replicates	Results
Escherichia coli	11229	200 ppm (1oz / 4 gal)	500 ppm	6	> 99.999
Staphylococcus	6538	200 ppm	500 ppm	6	> 99.999

Conclusion: Sanicide 94 effectively killed the above listed bacteria as specified in the test performance standards with the greater than 99.999% reduction within one minute. **Sanicide 94** is an effective **Non-Food Contact Sanitizer** against the against the above listed bacteria on nonporous inanimate hard surfaces when diluted to 200 ppm in 500 ppm synthetic hard water in the presence of 5% organic soil.

Summary of Antimicrobial Efficacy – Etiology 1

Pathogenic Microorganism	Description
Pseudomonas aeruginosa	Gram negative bacteria identified as a major cause of hospital acquired (nosocomial) infections. Causes wound infections (especially burn), meningitis, pneumonia and eye infection. Required for Hospital Disinfectants.
Staphylococcus aureus	Gram positive bacteria identified as a major cause of hospital acquired (nosocomial) infections. Colonizes food and secretes enterotoxins, septicemia, endocarditis, meningitis, osteomyelitis and pneumonia. Required for Hospital Disinfectants.
Salmonella choleraesuis	Gram negative bacteria associated with acute gastroenteritis and septicemia. Required for Hospital Disinfectants.
Escherichia coli	Gram negative bacteria spread by anal/oral route of infection, resulting in diarrhea outbreaks, associated with urinary tract infections and bacteremia.