



TECHNICAL BULLETIN

Knoxville

Disinfectant + Sanitizer + Virucide

EPA REG. NO. 1839-86-84179

Item #4624



PRODUCT DESCRIPTION

Knoxville is a concentrated deodorizer, disinfectant and sanitizer containing a combination of two active quaternary ammonium compounds in a water base. EPA registered for third sink and other hard food contact surfaces.

PRODUCT FEATURES

- Kills SARS-CoV-2, which causes COVID-19 on hard non-porous surfaces in just 30 seconds!
- Kills 99.9% of bacteria and viruses on hard, non-porous surfaces.
- As a no-rinse sanitizer it requires no potable rinse when used at ¼ oz. per gallon of water to sanitize dishes, cooking equipment, glassware and other food contact surfaces.
- Is a deodorizer that leaves no masking odor of its own since the active system kills most odor causing organisms. As such, it's excellent for public areas in nursing homes and hospitals where no odor is preferred.
- Is effective as a sanitizer in hard water containing up to 650 ppm hardness.

SAFER & STRONGER™

🚫 Broad-spectrum hospital disinfectant + food-contact sanitizer

Kills listed bacteria and viruses (including SARS-CoV-2 in 1 minute) on hard, non-porous surfaces; sanitizes 3-compartment sinks and food-contact surfaces at 200–400 ppm, when used as directed.

🕒 High-yield, low-downtime program

One 1-gal jug makes up to 512 gal of 200-ppm sanitizer (or 256 gal at 400 ppm); one-step cleaning and deodorizing helps reduce changeovers and speed turnarounds.

PRODUCT SPECIFICATIONS

Physical Description	Clear Liquid
Color	Red
Flashpoint	None
Odor	Mild organic
pH	7.0 - 7.5
Viscosity	Water Thin
Weight per Gallon	8.30 lb / gal
Storage Stability	1 year
D.O.T. Shipping Label	Not regulated

PRODUCT YIELD

Use Purpose	Dilution	Oz per Gallon
General Disinfection	1:213	3 oz / 5 gal
Hospital Disinfection / Virucidal	1:182.9	3.5 oz / 5 gal
SARS-CoV-2 (rapid)	1:64	2 oz / gal
Sanitizer – 200 ppm	1:512	1 oz / 4 gal
Sanitizer – 400 ppm	1:128	2 oz / 4 gal

Coverage

Broad-spectrum disinfection
 Hospital-grade disinfection and virucidal efficacy
 Kills SARS-CoV-2 in 30 sec
 200 ppm food-contact sanitization
 400 ppm high-load sanitization

AVAILABLE SKU

Pack Size
 4/1 gallon

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T 866.510.8080 | F 908.374.7149

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REGULATORY STATUS

Bactericidal – 3 oz/5 gal (469 ppm), 10 minutes

Staphylococcus aureus
Salmonella enterica
Listeria monocytogenes
Yersinia enterocolitica

Hospital Bactericidal – 3.5 oz/5 gal (547 ppm), 10 minutes

Pseudomonas aeruginosa
Vancomycin-intermediate Staphylococcus aureus (VISA)

Virucidal – 3.5 oz/5 gal (547 ppm), 10 minutes

Influenza A2/Japan
Herpes Simplex Virus Type 1
Adenovirus Type 5
Vaccinia Virus
Avian Influenza A/Turkey/Wisconsin
HIV-1, HBV, HCV
Bovine Viral Diarrhea Virus (BVDV)
Human Coronavirus (229E)
Porcine Reproductive & Respiratory Syndrome Virus (PRRSV)
SARS-associated coronavirus

SARS-CoV-2 – 2 oz/gal (~1563 ppm), 30 seconds

Effective against SARS-CoV-2 on hard, non-porous environmental surfaces.

Food-Contact Surface Sanitizer – 200–400 ppm, 60 seconds

Escherichia coli (11229), *E. coli* O157:H7 (43895)

Staphylococcus aureus (6538)

Yersinia enterocolitica (23715)

Listeria monocytogenes (35152)

Salmonella typhi (6539)

Shigella sonnei (11060)

Vibrio cholerae (14035)

MRSA (33592)

VRE (Enterococcus faecalis), 51299)

Campylobacter jejuni (29428)

Klebsiella pneumoniae (4352): 200 ppm effective up to 500 ppm hardness; 300 ppm effective up to 650 ppm hardness

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