

# Perasan® A

EPA #63838-1

## COOLING TOWER CLEANER AND SANITIZER

Perasan® A is EPA-registered for cleaning and sanitation of highly-fouled cooling towers. It eradicates slime that is known to harbor pathogenic microorganisms such as *Legionella pneumophila*.

Perasan® A contains peracetic acid (PAA), which is 100% biodegradable and produces no byproducts of toxicological concern.

This product's lower PAA concentration makes it the first choice for operators, and the higher level of peroxide provides additional oxidizing power against slime.



The Perasan® A label has the widest range of claims against other organisms and approved uses compared to equivalent peracetic acid products.

Perasan® A is now available in 5L (1.32 gallon) sized containers (two per box) to offer easy portability. It is also available in 5, 15, 30, 55, and 300 gallon pack sizes. All containers are vented. Shelf-life is at least one year if stored in typical warehouse conditions (<86° F).



**ENVIROTECH**

envirotech.com

(888) 563-2254

Modesto, CA ■ Helena, AR

# Perasan® A

AOAC Passed 99.999% Organism Reduction, 60 sec (concentrations reported as ppm PAA)

## Cooling Water Systems

*Highly-fouled 50-150 ppm*

*Shock Dose 10 ppm*

*Continuous Feed 2-5 ppm*

*Intermittent Feed 2-9 ppm*

## EPA Label Directions for Use in Highly-Fouled Systems

To remove sessile bacteria from cooling systems it is necessary to clean slime and slime-forming bacteria from the surfaces of all areas of water contact. This can be accomplished by treating the recycled water with 7.5-22.4 lbs. (102-306 fl oz.) of this product per 1000 gal of water (50-150 ppm active peroxyacetic acid) for 4-8 hours during normal tower operating cycles. This procedure can be used for online or offline cleaning. When finished bleed down the system until the PAA level is <5-10 ppm, then normal chlorine or bromine or PAA treatments can begin. This treatment must be done at least once or twice each year depending on exposure conditions.

## Properties

	Perasan® A
Peracetic Acid (% wt)	5.5 - 5.9
H <sub>2</sub> O <sub>2</sub> (% wt)	25.0-27.4
Acetic Acid (% wt)	3.0-8.0
Density (20°C) (g/mL)	1.12
Vapor Pressure (20°C) (mbar)	27
pH 10% solution	1.8
pH 1% solution	2.8
Flash Point °C (°F) DIN	> 98 (207)
Freezing Point °C (°F)	< -12 (10)

UN 3098, Oxidizing liquid, corrosive, n.o.s. (contains hydrogen peroxide and peroxyacetic acid mixture, stabilized), 5.1 (8), PGII



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