

HYPOCHLOROUS ACID

PERFORMANCE

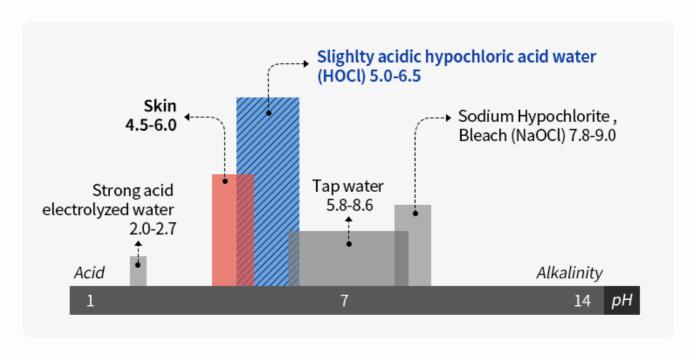
Hydro-E HOCL performs seen in the graphs below with relation to:

- Disinfection/Antibacterial capabilities
- Neutral Range pH Scale
- Low Risk & Non-Hazardous
- Side Effects & Toxicity
- Diversity of Use & Applications

ANTIBACTERIAL SPECTRUM

Bacteria Colon bacillus, Staphylococcus	Food Poisoning Bacteria Salmonella Listeria				Filamen- tous Bacteria Candidia	Spore-for ming Bacteria Bacillus cereus Clostridium botulinum
HOCI:S	lightly Ac	idic Elect	orlzed W	ater		
NaOCl : Soc	lium Hypoch	lorite (Bleach	n)			
Ethanol(Alc	ohol)					
Cresol, Phe	nol					
Detergent						

PH VS. STERALIZATION EFFECT









HYPOCHLOROUS ACID

PERFORMANCE (CONTINUED)

TOXICITY & RISK COMPARISON

Substance	Cas No.	Flash Point (°C)	Acute Toxicity Oral	Ocular mucosa Irritation	Exposure Criteria (South Korea)
HOCI	7790-92-3	No data	Non-toxic or very weak	Non-irritated	No data
75% Ethanol	64-17-5	13.0	Highly-toxic	Slightly-irritated	*TWA 1,000 ppm
59% Ethanol	64-17-5	22.2	Highly-toxic	Slightly-irritated	TWA 1,000 ppm
NaOCI	7681-52-9	No data	Highly-toxic	Strongly-irritated	No data

HOCI is non-flammable, non-toxic and non-irritative sterilizer.

SUBSTANCE SAFETY VS. POWER

Low <	Po	wer —	•	High
			Glutara	l O Low
Pne	○ Cresol		○ Formalin	
Dho	nol ()		○ Chlor Dioxid	1 1
		Sodium Hypo	ochlorite ()	
	Dico51⊜	○ Etha	nol	Safety
Benzalkonium chloride () Krolhexidine ()	Povidon	e-iodine ()	○ Strongly oxi water ○ Ozone	dized
			Hydro-E HOC	L○ High



