



ENVIROKLOR

12.5% Potassium Hypochlorite Bleach alternative

THE SODIUM FREE SOLUTION



Enviro Klor potassium hypochlorite is a very versatile EPA registered (#63838-10, #63838-CA-01) biocide with all the power of a hypochlorite bleach and is approved for use wherever typical sodium hypochlorite bleach is, including:

- Recirculating cooling water systems
- Sewage and wastewater treatment
- Disinfection of drinking water
- Public water systems
- Pulp and paper mill process water systems
- Swimming pool water disinfection
- Sanitization of food contact services
- Laundry sanitizers
- Agricultural applications and more

ADVANTAGES



Bleaching and Laundry

- Allows claims for a more environmentally friendly household bleach
- Provides a sodium-free solution to laundry discharges



Industrial & Institutional (I&I)

- Chemical Compounding – allows creation of sodium free formulas
- Replacement chemical in CIP cleaners
- More stable in certain formulations



Agriculture Irrigation

- Useful as a disinfectant for wastewater applied to land for irrigation, conserving water
- Since potassium is one of the three required soil nutrients, there is little objection to the introduction of potassium ions onto land.



SUMMARY OF USE RATES

Non-porous food contact surfaces: 100 ppm
CIP Cleaning: 100-200 ppm;
Porous non-food contact surfaces: 600 ppm; **Food Egg Sanitation:** 200 ppm;
Fruit and vegetable washing: 25 ppm;
Cooling towers: 5-10 ppm.

COMPARISON WITH SODIUM HYPOCHLORITE BLEACH

	KOCl	NaOCl
Concentration (wt %)	12.5	12.5
Available Cl ₂ (wt %)	9.8	11.9
Appearance	Pale Yellow	Pale Yellow
Density 20°C (68°F) (lb/gal)	9.75	10.1
pH	~13	~13
lb NA ⁺ /gal	0	0.78
lb K ⁺ /gal	1.05	0
Potassium as K ₂ O (wt %)	13	0
Degradation Byproducts	Potassium chloride	Sodium chloride
EPA Status	Approved	Approved
Field Test Kit Available	Yes	Yes

HANDLING AND STORAGE

Store in a cool, dry environment in the original container. All bleach products degrade with age – **do not store in direct sunlight** or at elevated temperatures. Containers must be vented.

SHIPPING AND TRANSPORT

Enviro Klor is available in pack sizes of 5, 15, 30, 55, 300 gallons, and in bulk. Enviro Klor is shipped as: **Hypochlorite Solution, 8, UN1791, PG.II**