



MASEST, LLC · VertKleen
POWERED BY INNOVATION · SAFE BY DESIGN

VertKleen

Chemical Solutions for
Walmart DCs, FCs & Distribution Facilities

ALREADY LIVE AT DC-8851 · DC-7023 · DC-6099
Approved by Crown Forklift and Plug Power



Triple-Zero (0-0-0) HMIS · Non-Corrosive · Non-Fuming · Food-Contact Safe · Biodegrades < 10 Days · Non-D.O.T. Regulated

Why You'll Switch

Three reasons VertKleen wins in DCs, FCs, and other facilities

PROVEN

\$10,000+ / yr saved at DC-8851

Replaced Calci-Solve on plumbing descaling. No more 2-hour shutdowns, no outside contractor, no fuming chemicals.

SAFER

Zero pictograms across the line

Triple-zero (0-0-0) HMIS. Non-corrosive on ammonia coils, copper, stainless. Food-contact safe. No special PPE.

ENDORSED

Crown Forklift + Plug Power approved

Cleared for fuel-cell stations and lift fleets across DCs, FCs, and other facilities — three Walmart sites already running CRHD.

The VertKleen Program

Five products. One platform. Built for cold-chain operations.

Product	Application	Why It Wins
VertKleen Purgo <i>Mildew & mold sanitizer</i>	Banana rooms, refrigerated bays, bathrooms, counters, high-touch surfaces. Eliminates mildew, mold, condensation odor on contact.	FDA GRAS · FIFRA 25(b) exempt · No bleach, no chlorine. Spray-bottle ready.
VertKleen MultiWash <i>Multi-surface cleaner</i>	Hard-to-reach refrigerated areas, walls, ceilings, freezer entries. Cleans, brightens, deodorizes.	NSF A1-D1 certified. Replaces 3-4 cleaners. Drone-safe for exterior work.
VertKleen Descaler <i>Plumbing & ammonia coils</i>	Plumbing lines, anhydrous ammonia Al & Cu coils, heat exchangers. Removes scale, calcium, rust in one circulating run.	HCl replacement — 280x less corrosion than HCl. Direct release to municipal drainage.
VertKleen CR HVAC <i>Coil, condenser, drain & gunk lines</i>	Heavy-duty high-pH for coil/condenser cleaning, condensate lines, grease traps. Clears blockages and biofilm.	No acid · No caustic burns · Biodegrades < 10 days. Pilot launching at DC-6065.
VertKleen CRHD <i>Simple Green replacement</i>	Kitchens, forklifts, parts, floors, glass. 50% active vs. Simple Green's 15% — stronger cut per gallon.	Crown Forklift + Plug Power approved. NSF food-safe. Streak-free shine.

VertKleen Descaler vs. Conventional Acids

Independent corrosion & dissolve-rate comparison

THE DATA THAT CLOSES THE DEAL

Highest dissolve rate. 280x less corrosion than HCl. Zero hazard pictograms.

Acid / Descaler	pH	Dissolve Rate*	Corrosion**	Hazard Pictograms
VertKleen Descaler	0	9.8	0.59 mpy	NONE
Hydrochloric (HCl)	0.5	8.9	609.5 mpy	4 — Severe
Urea HCl	1.0	7.0	802.2 mpy	4 — Severe
Sulfuric / Sulfamic	1.0	6.3	520.6 mpy	3 — High
Glycolic / Gluconic	3.0	1.6	402.5 mpy	3 — High
Phosphoric	3.0	0.9	173.9 mpy	3 — High

* Dissolve rate on calcium carbonate test coupons. ** Corrosion in mils per year on carbon steel — lower is better.

Proof — Walmart Logistics Case Studies

VertKleen already runs at three Walmart sites — DCs, FCs, and other facilities welcome

DC-8851 — Cocoa, FL

800,000 sq ft · busiest perishable non-automated facility in the USA · 24/7

THE PROBLEM

Bathroom plumbing constantly clogged with calcium carbonate. Calci-Solve required outside contractors, fuming chemicals, and 2-hour facility shutdowns every two months — 20 employees offline at a time.

THE WIN

Switched to VertKleen Descaler. Triple-zero, non-corrosive, non-fuming. In-house PM team now runs descaling monthly with no shutdown and direct release to municipal drainage.

≈ \$10,000+ / yr saved · Zero restroom closures · PM-team-only chemical handling

CRHD — Simple Green Replacement

Live across DC-8851, DC-7023, DC-6099 · Crown Forklift & Plug Power approved

THE PROBLEM

Simple Green at 15% active wasn't cutting forklift, parts, kitchen and floor grease across Walmart's DCs, FCs, and other facilities. PPE and material-compatibility concerns on Crown lifts and Plug Power stations.

THE WIN

VertKleen CRHD — 50% active, alkaline-base, high-detergent, low-foaming. Approved by Crown & Plug Power. One bottle: workshops, forklifts, kitchens, floors, streak-free windows.

3 Walmart sites converted · Stronger cut per gallon · No special PPE / storage



LET'S WIN YOUR FACILITY.

Free On-Site Walk-Through

We'll bring product on-hand and demo on real surfaces across your DCs, FCs, and other facilities. Side-by-side trial program. Bulk / tanker programs available.

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