



# Commercial Laundry Products

What's in them and where do they go when the wash is done?

# Think Past the Drain

The wash is done....where are these chemicals going?

What are they doing to people and the environment?

# Artificial Fragrances

Laundry Chemicals or otherwise...

Manufacturers DO NOT WANT YOU TO KNOW  
what chemicals make up their fragrances!

- Persistent chemicals that don't break down in our environment, inside our buildings and in our bodies.

# APE's

## Alkyl Phenol Ethoxylates

- They travel into waste water, where it dissolves. When this happens, the ethoxylates begin to break down into even more toxic phenols. They do not biodegrade easily in soil and water.
- According to [organicconsumers.org](http://organicconsumers.org), these agents, also known as APEs, can lead to deadly disease in humans.

# More Dangerous Chemicals

## Optical Brighteners

- Synthetic
- Found in detergents and bleaches
- VERY toxic to fish and humans

## Sodium Hypochlorite

- Found in bleach
- Reacts w/ organic materials in our waterways releasing cancer causing agents
- Cancer, reproductive issues and immune system

# Let's talk about bleach!

- Does bleach clean laundry?
- Does bleach kill mold?
- What happens when you mix bleach with ammonia?

# EDTA

- According to sixwise.com, this class of chemicals, widely in use as **phosphate alternatives**, biodegrade slowly, begin to redissolve poisonous metals in the environment and work their way back into our food chain. When people eat affected plants and animals, they can become sick with cancer and other long-term illnesses.

# Laundry Chemicals – Our staff, our customers, our linens.

- Staff wear gloves to handle the “clean” linens?
- Staff wear masks due to the air quality in a laundry room
- Guests dry off with a rough, stiff towel
- Guests are exposed to residual chemical on sheets/towels
- Linens are rough
- Linens are inconsistent
- Linen life is short



# The Solution?

## The Green Laundry Program

- No need for gloves to handle “clean” laundry
- Linens are soft and consistently white
- Bleach usage is cut by up to 95%
- Less rinses needed due to formulas being highly water soluble
- Reduced Linen Replacement Costs

# Hydrogen Peroxide

## OXYGEN BRIGHTENER

- WHITENS NATURALLY – No optical brighteners, no yellowing
- PROTECTS FIBERS – Economical, prolongs linen life
- SCENT FREE – Pure, fresh linens
- EPA DfE APPROVED – LEED Points

# Botanically Based Detergent

## HERBATERGENT

- ALL NATURAL – Cleans without harsh chemicals, protects and prolongs linen life
- EPA DfE APPROVED – LEED Points
- GRAY WATER SAFE & BIODEGRADABLE – Protects people and environment
- PH NEUTRAL – No irritation, safe for people and the environment
- CONCENTRATED

# Clean Break

- ALL NATURAL – Safe for the workplace
- LOWER pH VS TRADITIONAL ALKALAI'S – does not damage linens. Safe for colors and white
- EPA DfE APPROVED – LEED Points
- NPE FREE – Protects ground water, people and wildlife



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