



TM

Leading  
Environmental  
Enhancement for  
Facilities

Peroxide Powered Cleaner/Degreaser is a non-toxic, non-VOC, biodegradable, hydrogen peroxide fortified, highly concentrated cleaner/degreaser that is specially designed to address the environmental, safety and health concerns facing today housekeeping professional. The hydrogen peroxide oxidizes the soil and stains, destroys odors and provides color safe bleaching action. Can be used to clean most surfaces such as windows, walls, floors, tile & grout, washroom fixtures, tubs, showers, toilet bowls and urinals. No rinse required.



# Peroxide Powered Cleaner Concentrate



## ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	LEEF
Sodium Phosphates	None
Sodium Silicate	None
Ethylenediaminetetraacetate	None
Nonylphenol ethoxylates	None
2-Butoxyethanol	None
	Sodium Capryl Sulfonate
	Linear Alcohol Ethoxylates *
	Diethylene Glycol Butyl Ether
	Tripropylene Glycol Methyl Ether*
	Hydrogen Peroxide *
pH 9 – 12	pH 4 – 5

### Traditional Compound Descriptions:

**Sodium Phosphates** – offer good control of hardness ions and maintain alkalinity levels. They also increasing cleaning efficiency by suspending dirt. However, phosphate are plant nutrients Those promote algae blooms.

**Sodium Silicate** – provides buffering and alkalinity. However, alkaline silicates can be corrosive to eyes and skin.

**Ethylenediaminetetraacetate (EDTA)** – offers very good control of hardness ions. However, it will enhance the remobilization of heavy metals in the environment. It may contain trace amount of carcinogen.

**Nonylphenol ethoxylates** – a non-ionic surfactant that is used to provide wetting and detergency. However, it is derived from a petroleum-based product. It has a suspected harmful biodegradable intermediate.

**2-Butoxyethanol** – effective water-soluble solvent to attack both water-soluble soils and water-insoluble oils and greases. However, it is a potential nose and eye irritant and may cause blood cell damage if absorbed through skin.

### LEEF Compound Descriptions:

**Sodium Capryl Sulfonate** – a completely biodegradable surfactant provides wetting and detergency.

**Linear Alcohol Ethoxylates \*** - listed as Positive Environmental Profile surfactant on EPA design for the Environment Formulator Initiative. A non-ionic surfactant made from linear primary alcohol that biodegrades readily to compounds with low toxicity.

**Diethylene Glycol Butyl Ether** - It is commonly used as a solvent in cleaners. It is biodegradable and is not easily absorbed through the skin.

**Tripropylene Glycol Methyl Ether\*** - listed as Positive Environmental Profile builder on EPA design for the Environment Formulator Initiative. It is commonly used as a solvent in cleaners. It is biodegradable and is not easily absorbed through the skin.

**Hydrogen Peroxide \*** - listed as Positive Environmental Characteristic Bleaches on EPA Key Characteristic of Formulation Ingredients/Cleaning System. It is a relatively strong oxidizing agent that oxidizes soil and stains, destroys odors and provides color safe bleaching action.

## PRODUCT SPECIFICATIONS

Dilution:	1:32	Storage/Stability:	6 Months
Color:	Colorless	Weight Per Gallon:	8.48 lbs. Per gallon
Odor:	Mild Odor	Freeze/Thaw Stability:	Keep from freezing
pH:	4.0 - 5.0		
Viscosity:	Water thin		
Foam:	Moderate		

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

**Product Name:** READY-TO-USE Peroxide Powered Cleaner/Degreaser (1 to 4 oz. per gallon water)  
**Generic Name:** All Purpose Cleaner  
**Chemical Family:** Detergent/solvent blend  
**Formula:** Proprietary

**Supplier's Name:** Leading Environmental Enhancements for Facilities  
**Supplier's Address:** 280 Seward Drive, Rutland, VT, 05701  
**Supplier's Phone #:** 800-950-3738

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Hydrogen Peroxide	7722-84-1	0 to 5			
Primary Alcohol Ethoxylate C9	68439-46-3	0 to 5			
Sodium Octanesulfonate	5324-84-5	0 to 5			
Tripropylene Glycol Methyl Ether	25498-49-1	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	0 to 5			

## SECTION 3-PHYSICAL DATA

**Boiling Point (°F):** 212° F.  
**Vapor Pressure:** 20mm Hg @68°F.  
**% Volatile:** 80+  
**Solubility in Water:** Complete  
**Physical Description:** Thin clear liquid with characteristic odor  
**VOC Content:** None

**Specific Gravity:** 1.00  
**Vapor Density (Air=1):** >1  
**pH:** 4.0 – 5.0  
**Evaporation Rate (Water=1):** >1

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** None  
**Upper Explosion Limit:** N/A  
**Extinguishing Media:** Dry chemical, CO<sub>2</sub> or water  
**Special Firefighting Procedures:** Keep fire exposed containers cool with water stream.  
**Unusual Fire and Explosion Hazards:** N/A

## SECTION 5-REACTIVITY DATA

**Stability:** Stable  
**Hazards Decomposition Products:** Not Known

**Hazardous Polymerization:** None  
**Incompatibility (Materials to Avoid):** Chlorine bleach

## SECTION 6-STORAGE AND HANDLING INFORMATION

Slight eye irritant. Keep out of reach of children. For use by trained personnel only. Wear protective gloves and eyewear when handling. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors or mists. Use in well-ventilated area.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
**Skin:** At use dilution, is essentially non-irritating  
**Eyes:** Mild eye irritant. May cause slight redness, discomfort, tearing  
**Inhalation:** Mists may be irritating to mucous membranes in the nose, throat, and lungs.  
**Ingestion:** May be slightly Irritating to the mouth and throat.  
**First Aid Procedures:**

**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists  
**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

## SECTION 8-SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** No special requirements  
**Ventilation Requirements:** No special requirements  
**Protective Gloves:** Rubber gloves recommended.  
**Eye Protection:** Safety glasses recommended  
**Other Protective Equipment:** None

## SECTION 9-SPILL OR LEAK PROCEDURES

**Steps to be taken in Case Material is Released or Spilled:** Floors will become slippery. Avoid walking in product. Mop up or otherwise absorb and hold disposal.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Permissible to dilute with water and flush to sanitary sewer. Do not dispose of into storm drain, stream, river or to ground.

## SECTION 10-REGULATORY INFORMATION

## SARA Title III - Section 311/312 -Hazard Categories:

No - Fire Hazard  
 No - Sudden Release of Pressure Hazard  
 No - Reactivity Hazard  
 Yes - Immediate (acute) Health Hazard  
 No - Delayed (chronic) Health Hazard

## Shipping Information:

FOR CONTAINERS > 1 Gallon : Cleaning Compound  
 Non-Hazardous  
 FOR 1 GALLON CONTAINERS : Cleaning Compound  
 Non-Hazardous  
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

## HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

## FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	Not Applicable	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
None	None	None

## SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product