

# elements™



environmentally responsible  
maintenance solutions



## oxygen fortified carpet cleaner spotter

A highly concentrated, Oxygen Fortified multi-purpose Carpet cleaner consisting of a blend of readily biodegradable detergents, renewable organic salts and hydrogen peroxide that provides safe and efficient cleaning of all carpets. This product will not leave any residue that could cause re-soiling of the carpet, and cleans the carpet and destroys odors in one labor saving step. Can be used as a spotter, low moisture pre-spray, extraction cleaner and other applications.

### ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	Elements
Sodium Phosphates	None
2-Butoxyethanol	None
Ethylenediaminetetraacetate	None
Nonylphenol ethoxylates	None
	Sodium Capryl Sulfonate
	Diethylene Glycol Butyl Ether
	Hydrogen Peroxide *
	VOC: None
pH 6 – 8	pH 4 – 5
<b>Traditional Compound Descriptions:</b>	<b>Elements Compound Descriptions:</b>
<p><b>Sodium Phosphates</b> – 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.</p> <p><b>2-Butoxyethanol</b> – 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.</p> <p><b>Ethylenediaminetetraacetate (EDTA)</b> – 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.</p> <p><b>Nonylphenol ethoxylates</b> – 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.</p>	<p><b>Sodium Capryl Sulfonate</b> – a completely biodegradable surfactant provides wetting and detergency.</p> <p><b>Diethylene Glycol Butyl Ether</b> - It is commonly used as a solvent in cleaners. It is biodegradable and is not easily absorbed through the skin.</p> <p><b>Hydrogen Peroxide *</b> - 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.</p>

### PRODUCT SPECIFICATIONS

Dilution:	1:8 Low Flow 1:16 High Flow	2-Butoxyethanol:	None
Color:	Colorless	Solubility:	Complete with water
Odor:	Very little odor	Emulsification:	Excellent
Base:	Detergent Blend	Detergency:	Excellent
pH:	4.0 – 5.0	Rinsability:	Excellent
Viscosity:	Water thin	Biodegradability:	Complete
Foam:	Low	Storage/Stability:	6 Months
Optical Brightener:	None	Weight Per Gallon:	8.59 lbs. Per gallon
Phosphate:	None	Freeze/Thaw Stability:	Keep from freezing

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www.miscoprod.com

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> Oxygen Fortified Carpet Cleaner/Spotter	<b>Supplier's Name:</b>
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> Carpet Extraction Cleaner	<b>Supplier's Address:</b>
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Detergent/solvent blend	<b>Supplier's Phone #:</b>
	<b>Formula:</b> Proprietary	

## 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	1 ppm	1 ppm	
			1.4 mg/m <sup>3</sup>	1.4 mg/m <sup>3</sup>	
Sodium Octanesulfonate	5324-84-5	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	5 to 10			
Fragrance	N/A	< 0.1			

## SECTION 3-PHYSICAL DATA

<b>Boiling Point (°F):</b> 212° F.	<b>Specific Gravity:</b> 1.031
<b>Vapor Pressure:</b> 20mm Hg @68°F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 80+	<b>pH:</b> 4.0 – 5.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> >1
<b>Physical Description:</b> Thin clear liquid with pleasant fresh odor	
<b>VOC Content:</b> None	

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

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

## SECTION 5-REACTIVITY DATA

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Not Known	<b>Incompatibility (Materials to Avoid):</b> Strong Alkalies, Chlorine

## SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid. Avoid contact with heat, spark or open flame. Eye irritant. Skin irritant with prolonged contact. 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:** May cause irritation with prolonged or repeated contact (dryness, redness)  
**Eyes:** Eye irritant. May cause conjunctivitis or possible irreversible damage.  
**Inhalation:** Mists may be irritating to mucous membranes in the nose, throat, and lungs.  
**Ingestion:** Irritating to the mouth and throat. May cause headache, nausea, abdominal pain.  
**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 immediately.  
**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:** Provide mechanical exhaust when misting of product is present.  
**Protective Gloves:** Rubber or other chemical resistant.  
**Eye Protection:** Safety glasses or chemical splash goggles.  
**Other Protective Equipment:** Eyewash station nearby.

## 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. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

## SECTION 10-REGULATORY INFORMATION

<b>SARA Title III - Section 311/312 -Hazard Categories:</b>	<b>Shipping Information:</b>	<b>HMS Hazardous Materials Identification System</b>
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	<b>Health</b>
No - Sudden Release of Pressure Hazard		<b>Flammability</b>
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	<b>Reactivity</b>
Yes - Immediate (acute) Health Hazard		<b>Personal Protection</b>
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	

## 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
	None	

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	

## 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