

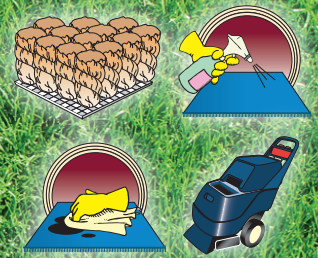


E05

elements™



environmentally responsible
maintenance solutions



Prespray & Extraction Carpet Cleaner

Prespray & Limpiador de Alfombra de Extracción



1:16

Pre-spray Application



1:42

Extraction Cleaning



1:10

Spot Cleaning



1:20

Truckmount Cleaning

An environmentally responsible, anti-soil, multi-purpose carpet cleaner concentrate for use as a pre-spray & extraction cleaner. Special low foaming, anti-soil cleaner is designed to maximize cleaning efficiency.

This Carpet & Rug Institute tested and certified cleaner effectively removes soil without any damage to the carpet. The CRI Seal of Approval is awarded to carpet cleaning products that pass stringent tests administered by an independent, accredited institute.

ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	elements
Sodium Phosphates	None
2-Butoxyethanol	None
Ethylenediaminetetraacetate	None
Nonylphenol ethoxylates	None
	Primary Ethoxylated Alcohol
	Diethylene Glycol Butyl Ether
	Tripropylene Glycol Methyl Ether*
	VOC: None
pH 6 – 8	pH 9.0 – 9.8
Traditional Compound Descriptions:	elements Compound Descriptions:
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>Primary Ethoxylated Alcohol – a completely biodegradable surfactant provides wetting and detergency.</p> <p>Diethylene Glycol Butyl Ether - It is commonly used as a solvent in cleaners. It is biodegradable and is not easily absorbed through the skin.</p> <p>Tripropylene Glycol Methyl Ether* - listed as Positive Environmental Profile builder on EPA design for the Environmental Formulator Initiative. It is commonly used as a solvent in cleaners. It is biodegradable and is not easily absorbed through the skin.</p>

PRODUCT SPECIFICATIONS

Color:	Colorless	Solubility:	Complete with water
Odor:	Very little odor	Emulsification:	Excellent
Base:	Detergent Blend	Detergency:	Excellent
pH:	9.0 – 9.8	Rinsability:	Excellent
Viscosity:	Water thin	Biodegradability:	Complete
Foam:	Moderate	Storage/Stability:	1 Year
Optical Brightener:	None	Weight Per Gallon:	8.62 lbs. Per gallon
Phosphate:	None	Freeze/Thaw Stability:	Keep from freezing
2-Butoxyethanol:	None		

Misco Products Corporation • Reading, PA • (800) 548-4568 FAX (610) 926-1194

E05-S-2

www.miscoprod.com

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: elements Pre-spray & Extraction Carpet Cleaner	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Carpet Pre-spray and Extraction Cleaner	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Detergent/solvent blend	Supplier's Phone #:
	Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Primary Ethoxylated Alcohol	34398-01-1	0 to 5			
Ethoxylated, Propoxylated Alcohol	84133-50-6	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	0 to 5			
Tripropylene Glycol Methyl Ether	25498-49-1	0 to 5			
Sodium Xylene Sulfonate	1300-72-7	0 to 5			
Sodium Neutralized Acrylic Copolymer Dispersion	9003-04-7	0 to 5			
Fragrance	N/A	< 0.5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212° F.	Specific Gravity: 1.033
Vapor Pressure: 20mm Hg @68°F.	Vapor Density (Air=1): >1
% Volatile: 80+	pH: 9.0 – 9.8 pH (1% Solution): 7.6
Solubility in Water: Complete	Evaporation Rate (Water=1): >1
Physical Description: Thin clear liquid with pleasant fresh odor.	
VOC Content: None	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Upper Explosion Limit: N/A Lower Explosion Limit: N/A
Extinguishing Media: Dry chemical, CO ₂ 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	Hazardous Polymerization: None
Hazards Decomposition Products: Not Known	Incompatibility (Materials to Avoid): Strong acids, oxidizers

SECTION 6-STORAGE AND HANDLING INFORMATION

CAUTION: 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

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 FOR 1 GALLON CONTAINERS : Cleaning Compound FOR CONTAINERS < 1 GALLON : Cleaning Compound	HMS Hazardous Materials Identification System								
		<table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health	1	Flammability	0	Reactivity	0	Personal Protection	B
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
	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