

E15

elements™



environmentally responsible
maintenance solutions



pH Neutral Floor Stripper

el pH Desmoldador Neutral



1:2 - 1:6

Floor Stripping with Cold Water

An environmentally friendly low-odor neutral pH stripper perfect for use in places where a high pH stripper cannot be used. Contains no ammonia, butyl, caustic or other harsh materials. This product is safe for the user and the environment, and contains no VOC levels that exceed established regulatory limits. Ideal for use on synthetic flooring such as rubber, linoleum or anywhere a high pH stripper will damage the substrate.

ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	elements
Ammonium Hydroxide	None
2-Butoxyethanol	None
Nonylphenol ethoxylates	None
	Monoethanolamine
	Propylene Glycol Butyl Ether*
	Ethylene Glycol Phenyl Ether
	Sodium Capryl Sulfonate
High volatile organic compounds	VOC level less than 6.0% by weight
Strong odors	Low odors
pH 12 - 14	pH 8 - 9
Traditional Compound Descriptions:	elements Compound Descriptions:
<p>Ammonium Hydroxide – a basic cleaning compound commonly used in floor strippers. However, it is extremely irritating to the respiratory tract and eyes.</p> <p>2-Butoxyethanol – an 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>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>High VOC level – will negatively affect indoor air quality and are regulated.</p> <p>Strong odor – can cause extreme irritation and even nausea when used in improperly ventilated areas.</p>	<p>Monoethanolamine – commonly used in low odor floor strippers. It is less irritating to the respiratory tract and eyes than Ammonium Hydroxide.</p> <p>Propylene Glycol Butyl 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.</p> <p>Ethylene Glycol Phenyl Ether – It is commonly used as a solvent in cleaners. It is biodegradable and is not easily absorbed through the skin.</p> <p>Sodium Capryl Sulfonate – a completely biodegradable surfactant provides wetting and detergency.</p> <p>Low VOC level – It has a VOC level of 6%.</p> <p>Low odor – minimizes potential nausea when used in improperly ventilated areas.</p> <p>Neutral pH – Safe for use on synthetic flooring such as rubber, linoleum or anywhere a high pH stripper will damage the substrate.</p>

PRODUCT SPECIFICATIONS

Color:	Green	Biodegradability:	Complete
Odor:	Characteristic odor	Solubility:	Complete with water
pH:	8.0 – 9.0	Flash Point:	None
Viscosity:	Water thin	Storage/Stability:	2 years
Foam:	Low	Weight Per Gallon:	8.90 lbs./gal.
Emulsification:	Excellent	Freeze/Thaw Stability:	Keep from freezing

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name:

Misco Products Corporation

Manufacturer's Address:

1048 Stinson Drive Reading, PA 19605

Manufacturer's Phone #: (610) 926-4106**Product Name:** pH Neutral Stripper**Generic Name:** Floor Stripper**Chemical Family:** Solvent/Detergent Blend**Formula:** Proprietary**Supplier's Name:****Supplier's Address:****Supplier's Phone #:**

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Ethylene Glycol Phenyl Ether	122-99-6	5 to 10			
Monoethanolamine	141-43-5	5 to 10			
Ethoxylated Alcohol Surfactant	68439-46-3	0 to 5			
Propylene Glycol n-Butyl Ether	5131-66-8	0 to 5			
Dye	N/A	< 0.1			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 90+
Solubility in Water: Dispersible
Physical Description: Thin pale green liquid with mild characteristic odor.
VOC Content: 10.4% wt/wt, 0.93 lbs/gal

Specific Gravity: 1.067**Vapor Density (Air=1):** <1.5**pH:** 8.5 – 9.0**Evaporation Rate (Water=1):** <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): > 140°F (TCC)**Upper Explosion Limit:** N/A**Lower Explosion Limit:** N/A**Extinguishing Media:** Water, CO₂, Dry Chemical, Foam**Special Firefighting Procedures:** N/A**Unusual Fire and Explosion Hazards:** N/A

SECTION 5-REACTIVITY DATA

Stability: Stable**Hazards Decomposition Products:** Alkaline vapors in a fire.**Hazardous Polymerization:** None**Incompatibility (Materials to Avoid):** Strong acids.

SECTION 6-STORAGE AND HANDLING INFORMATION

Eye and Skin irritant. Avoid contact with eyes, skin and clothing. Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floors. Keep container closed during storage. For institutional and industrial use only. Wear protective eyewear and gloves. Avoid breathing of vapors. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:**Skin:** Skin irritant. May cause moderate reddening, swelling.**Eyes:** Eye irritant. Liquid and mists may damage eyes, causing corneal damage.**Inhalation:** Vapors and 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, vomiting, and diarrhea.**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: Use in well-ventilated area. NIOSH Approved Organic vapor respirator when using in confined or poorly ventilated areas.**Ventilation Requirements:** General ventilation is adequate.**Protective Gloves:** Chemical resistant rubber or neoprene.**Eye Protection:** Chemical splash goggles.**Other Protective Equipment:** Eyewash should be available. Chemical resistant footwear e.g. rubber boots to protect feet. Long pants to protect legs.

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. 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 offering for recycling.

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

HMIS Hazardous Materials Identification System

Health	2
Flammability	1
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	

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