



**CERTIFIED
PROFESSIONAL FLOOR CARE SYSTEM**



**Z 410
Anti-Slip & Gloss Restorer**

For Use On:

- Vinyl Tile
- Linoleum
- Terrazzo
- Vinyl Asbestos
- Quarry Tile
- Marble

DESCRIPTION

An ideal companion product for use with any high speed maintenance program. Regular use of this product keeps floors looking great day after day. Special proprietary ingredients bond to the surface of the floor to create an anti-slip surface, making it ideally suited for nursing homes, supermarkets, hospitals, schools and other public areas. Highly concentrated for economical use dilutions. Ideal for use in auto scrubbers.

DIRECTIONS

FOR MOP-ON RESTORING: Dilute concentrate 1 to 4 with water and apply an even coat with a clean mop to the surface. Allow to dry thoroughly. The surface will now have a hazy appearance. Buff or burnish to clean and restore the floor to the ultimate wet look shine.
FOR AUTOMATIC SCRUBBERS: Dilute concentrate 1 to 16 with water and apply with a medium flow. Allow surface to dry thoroughly. Buff or burnish to clean and restore the floor to the ultimate wet look shine.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by current State and Federal regulations.

PRODUCT SPECIFICATIONS

Active Ingredients:	16.0 ± 0.5%	Abrasives:	None
Color:	Orange	Flash Point:	None
Odor:	Fresh & Clean	Solubility:	Dispersable
Base:	Polymers, waxes, and anti-slip agents	Black Mark Resistance:	Excellent
pH:	8.5 -9.0	Sediment:	0.01% by vol., max.
Viscosity:	Water thin	Buffability:	Excellent
Slip Resistance:	Increases with regular use	Storage/Stability:	2 years
		Weight per Gallon:	8.42 lbs./gal.
		Freeze/Thaw Stability:	Keep from freezing



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Progressive Processes for the
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Gem Supply
1312 W. Washington St.
Orlando, FL 32805
(800) 422-9886
www.gemsupply.net

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z-410 Anti-Slip & Gloss Restorer	Supplier's Name: Gem Supply
Generic Name: Anti-Slip & Gloss Restorer	Supplier's Address: 1312 W. Washington St.
Chemical Family: Wax/Detergent Blend	Supplier's Address: Orlando, FL 32805
Formula: Proprietary	Supplier's Phone #: (407) 849-6163

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Acrylic Copolymer Dispersion	63744-68-3	5 to 10			
Polyethylene Wax	N/A	5 to 10			
Glycol Ether PnB	5131-66-8	0 to 5	75 ppm	75 ppm	N/A
Nonionic Surfactant	9016-45-9	0 to 5			
Coconut Diethanolamide	8051-30-7	0 to 5			
Dye	N/A	0 to 5			
Perfume Oils	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.	Specific Gravity: 1.006
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 75+	pH: 8.5-9.0
Solubility in Water: Dispersible	Evaporation Rate (Water=1): <1
Physical Description: Thin opaque orange liquid with pleasant odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A	Lower Explosion Limit: N/A
Upper Explosion Limit: N/A	Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable	
Unusual Fire and Explosion Hazards: N/A	

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur.	Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

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

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Prolonged or repeated contact may cause dermatitis.
Eyes: Eye irritant. May cause redness or swelling.
Inhalation: N/A
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.
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.
Inhalation: N/A
Ingestion: Dilute with 2 glasses of water. Seek medical attention if symptoms persist.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant rubber.
Eye Protection: Chemical goggles when handling concentrate.
Other Protective Equipment: N/A

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 discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:	Shipping Information:	HMS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Health 1
No - Sudden Release of Pressure Hazard		Flammability 0
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Reactivity 0
Yes - Immediate (acute) Health Hazard		Personal Protection A
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.