



Z 522 REZUVENATOR

GROUT RESTORER

Ceramic Tile Grout Masonry

Product Description

Powerful, non-fuming acid GROUT RESTORER that makes ceramic tile & grout look like new. Removes hard-water scale, soap scum, grout haze and rust.

- Floor must be clean of all loose dirt and debris. Old acrylic floor finish and heavy dirt build up should be removed with conventional stripper, degreaser, or general purpose cleaner.
- Do not use acid product on marble, limestone and travertine surfaces. Do not use on soft metals such as aluminum and galvanized surfaces as irreversible damage may occur. If contact should occur, flush with water immediately.

Test:

Limit:

Color:	Amber
Odor:	Light
pH:	< 1.0
Viscosity:	Water thin
Foam:	Moderate
Phosphate:	None
Detergency:	Good
Solubility:	Complete with water
Flash Point:	None
Storage/Stability:	2 Years
Weight Per Gallon:	9.13 lbs. per gallon

Directions For Use

1. Apply diluted REZUVENATOR GROUT RESTORER to the floor with a clean mop. Leave floor wet for five minutes.
2. Agitate cleaning solution using a low speed floor machine equipped with a nylon brush. Solution can also be agitated by hand with a desk brush.
3. Recover dirty solution with a wet dry vac.
4. Rinse floor with clean water using a clean mop and wet dry vac.
5. Allow floor to dry. (8 to 24 hours).
HEAVY DUTY --1 part to 1 part water
MEDIUM DUTY --1 part to 4 parts water
LIGHT DUTY --1 part to 10 parts water

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z522 ReZuvenator
Generic Name: Grout Restorer & Stain Remover
Chemical Family: Acid Detergent Blend
Formula: Proprietary

Supplier's Name: Distributed by,
Zagers Brand, Inc.
Supplier's Address: 4320 Gandy Blvd
 Tampa, FL 33611
Supplier's Phone #: (800)999-6059

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Urea monohydrochloride	506-89-8	25 to 35	N/A	N/A	N/A
Proprietary Ethoxylated Alcohol	Proprietary	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.
Vapor Pressure: <20mm Hg @ 68 F.
% Volatile: 65+
Solubility in Water: Complete
Physical Description: Light amber liquid with characteristic odor.
VOC Content: None

Specific Gravity: 1.090 – 1.100
Vapor Density (Air=1): >1
pH: <1.0
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Upper Explosion Limit: N/A
Lower 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

Hazards Decomposition Products: Phosphoric oxide vapors in a fire.

Hazardous Polymerization: None

Incompatibility (Materials to Avoid): Strong alkalis.

SECTION 6-STORAGE AND HANDLING INFORMATION

WARNING. Corrosive to eyes. Slight skin irritant with prolonged contact. Avoid contact with eyes, skin and clothing. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Wear rubber gloves and protective eyewear when using. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Skin: Prolonged or repeated contact may cause irritation. Non corrosive to Skin.
Eyes: Severe eye irritant. Liquid and mists may burn or injure eyes, causing corneal damage.
Inhalation: Mist may be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May be harmful or fatal if swallowed.

First Aid Procedures:

Skin: Flush exposed area with water. Seek medical attention if irritation develops.
Eyes: Immediately 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: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Acid proof rubber or neoprene.
Eye Protection: chemical splash goggles.
Other Protective Equipment: Eyewash should be available 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. 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
 Not Regulated by U.S.- D.O.T.
 FOR 1 GALLON CONTAINERS: Cleaning Compound
 Not Regulated by U.S.- D.O.T.
 FOR CONTAINERS < 1 GALLON: Cleaning Compound

HMIS Hazardous Materials Identification System

Health	2
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