

Zagers

BRAND

Z 460 CLEANER/MAINTAINER

Vinyl
Vinyl Asbestos
Asphalt
Linoleum
Rubber
Concrete



Flagstone
Brick
Terrazzo
Sealed Wood
Quarry Tile
Marble

Product Description

An all-purpose neutral cleaner/maintainer with superior cleaning power for use on any surface not effected by water. Ideal for use on sealed wood floors for cleaning and buffing finishes to a brilliant shine. Provides excellent emulsifying and penetrating action in both hot and cold water. Cleans, polishes, and preserves. Ideal for use with buffing programs. May be used for damp mopping, auto scrubbing or heavy duty cleaning.

Test:

Limit:

Active Ingredients:	13.0 ± 0.5%
Color:	Brown
Odor:	Sassafras
Base:	Natural & synthetic detergents
pH(concentrate):	10.0 - 10.5
Viscosity:	Moderately viscous
Foam:	Low
Abrasives:	None
Solubility:	Complete with water
Emulsification:	Excellent
Detergency:	Excellent
Rinsability:	Excellent
Flash Point:	None (waterbased)
Biodegradability:	Completely
Storage/Stability:	2 years
Weight Per Gallon:	8.45 lbs. per gallon
Freeze / Thaw Stability:	Keep from freezing

Directions For Use

FOR DAMP MOPPING: Add 4 ounces of concentrate per gallon of water. Damp mop floors and allow to dry. Buff thoroughly with a polishing pad. For damp mopping without buffing, use 2 ounces per gallon of water.

FOR USE WITH AUTOMATIC SCRUBBERS: Add 4 ounces of concentrate per gallon of water to supply tank of automatic scrubber. Scrub floors in the usual manner and allow to dry. Buff with a polishing pad. Use 2 ounces per gallon of water if buffing is not required.

FOR HEAVY DUTY CLEANING: Add 8 ounces concentrate per gallon of water. Apply to surface, scrub, and rinse in the usual manner.

FOR USE ON WOOD FLOORS as a cleaner/maintainer: Add 4 ounces of concentrate per gallon of water. Damp mop floors, being careful not to overwet or puddle material, and allow to dry. Buff thoroughly with a polishing pad. For damp mopping without buffing, use 2 ounces per gallon of water.

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

2/00

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z 460 Generic Name: Cleaner/Maintainer Chemical Family: Soap/Detergent Blend Formula: Proprietary	Supplier's Name: Zagers Brand, Inc. Supplier's Address: 4320 Gandy Blvd., Tampa, FL 33611 Supplier's Phone #: (800) 241-4797
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Potassium Tall Oil Soap	61790-44-1	5 to 10			
Nonionic Surfactant	9016-45-9	0 to 5			
Tetrasodium EDTA	64-02-8	0 to 5			
Tetrasodium Pyrophosphate	7722-88-5	0 to 5			
Perfume Oils	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 85+
Solubility in Water: Complete
Physical Description: Amber liquid with pleasant sassafras odor.

Specific Gravity: 1.02
Vapor Density (Air=1): >1
pH: 10.0-10.5
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
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: Will not occur.

Hazardous Polymerization: None
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. Wear rubber gloves when handling concentrate. 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 or neoprene.
Eye Protection: Chemical splash goggles
Other Protective Equipment: Protective footwear e.g. rubber boots when applying to floor. Eyewash center should be provided 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 disposal 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

HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	A

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