

# Zagers

BRAND

## Z 505

### PINE ALL PURPOSE CLEANER

Floors  
Walls  
Concrete  
Stainless Steel  
Furniture  
Desks  
Refrigerators



Tables  
Painted Surfaces  
Plastic  
Vinyl  
Porcelain  
Chrome

#### Product Description

A very effective all purpose cleaner and deodorant fortified with pine oil. Works equally well for general cleaning or heavily soiled areas. After cleaning is completed, a pleasant residue of pine fragrance remains. Safe to use on all surfaces not affected by water. Highly concentrated and economical to use.

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

#### Test:

<b>Color:</b>	Light amber
<b>Odor:</b>	Pine
<b>Base:</b>	Pine oil
<b>pH(concentrate):</b>	11.5 - 12.0
<b>Viscosity:</b>	Slightly viscous
<b>Foam:</b>	Low to moderate
<b>Abrasives:</b>	None
<b>Solubility:</b>	Complete with water
<b>Emulsification:</b>	Excellent
<b>Detergency:</b>	Excellent
<b>Rinsability:</b>	Excellent
<b>Flash Point:</b>	None (waterbased)
<b>Biodegradability:</b>	Completely
<b>Storage/Stability:</b>	2 years
<b>Weight Per Gallon:</b>	8.26 lbs. per gallon
<b>Freeze / Thaw Stability:</b>	Keep from freezing

#### Limit:

#### Directions For Use

**FOR GENERAL CLEANING,** Add 2 ounces of concentrate pine cleaner per gallon of warm water. Brush or sponge solution onto surface to be cleaned. Wipe with a damp sponge or rag.

**FOR WET MOPPING OF FLOORS,** Add 2 ounces of concentrate per gallon of warm water. Apply freely to floor with mop or sponge. Pick up with mop or wet vac. Rinse with clean water. Mop damp dry.

**FOR USE IN AUTO-SCRUBBERS,** Add 1 ounce of concentrate per one gallon of water and add to reservoir. Run auto-scrubber in usual manner. These directions are flexible rather than specific. In many cases a more dilute solution can be used, while for extreme conditions a less dilute solution may be used.

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

**Product Name:** Z 505**Generic Name:** Pine All Purpose Cleaner**Chemical Family:** Pine Oil 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

## 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			
Pine Oil	98-55-5	5 to 10			
Isopropyl Alcohol	67-63-0	5 to 10	400 ppm	400 ppm	500 ppm
Tetrasodium EDTA	64-02-8	0 to 5			

## SECTION 3-PHYSICAL DATA

**Boiling Point (°F):** 210 F  
**Vapor Pressure:** 20mm Hg @ 68 F.  
**% Volatile:** 85+  
**Solubility in Water:** Complete  
**Physical Description:** Slightly viscous light amber liquid with pleasant odor.

**Specific Gravity:** 0.991  
**Vapor Density (Air=1):** >1  
**pH:** 11.5-12.0  
**Evaporation Rate (Water=1):** <1

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** 122° F (TCC)  
**Upper Explosion Limit:** 8  
**Lower Explosion Limit:** 1  
**Extinguishing Media:** CO<sub>2</sub>, Dry chemical, foam, Halon or Water  
**Special Firefighting Procedures:** Wear self-contained breathing apparatus in confined areas.  
**Unusual Fire and Explosion Hazards:** Fire exposed closed containers may explode in extreme heat.

## SECTION 5-REACTIVITY DATA

**Stability:** Stable**Hazards Decomposition Products:** Will not occur.**Hazardous Polymerization:** None**Incompatibility (Materials to Avoid):** Strong acids and oxidizers.

## SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid. Avoid contact with heat, spark or open flame. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear rubber gloves when handling. 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 and swelling.  
**Eyes:** Eye irritant. Liquid and mists may injure the eyes, causing corneal damage.  
**Inhalation:** Vapors may be irritating to the nose, throat, and lungs.  
**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:** 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:** Chemical resistant rubber.  
**Eye Protection:** Safety glasses recommended.  
**Other Protective Equipment:** Eyewash station 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:**

Yes - 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**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>2</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</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