



Maintenance Solutions

Pine One Step



For Use On:

- | | |
|-------------------|--------|
| Toilets | Sinks |
| Urinals | Floors |
| Restroom Fixtures | Walls |
| Shower Stalls | Tables |
| Tile and Grout | Desks |



A heavy duty cleaner and limited disinfectant which is effective against gram negative bacteria when used on precleaned, non-porous, hard environmental surfaces. When used for industrial cleaning and disinfecting follow the directions below.

For use in: schools, colleges, universities, hotels, motels, office buildings, manufacturing facilities, retail businesses, athletic and recreational facilities.

For use on: walls, floors, doors, tables, sinks, stoves, restroom fixtures, telephone booths, and garbage cans.

DISINFECTION: Preclean all surfaces prior to disinfection. Apply use solution, 4 1/2 ounces per gallon of water, thoroughly wetting surfaces with a cloth, mop, or sponge. Treated surfaces must remain wet for 10 minutes. All surfaces to air dry. Fresh solution should be prepared daily and more often if solution becomes diluted or soiled.

FOR LIGHT CLEANING AND DEODORIZING: Use 2 ounces Heavy Duty Cleaner & Disinfectant per gallon of water and follow the same procedure as for disinfecting.

PRODUCT SPECIFICATIONS

Color:	Green	Abrasives:	None
Odor:	Pine	Flash Point:	None (waterbased)
pH:	12.5 - 13.0	Hard Water Tolerance:	750 ppm
Base:	Quaternary ammonium chloride	Biodegradability:	Complete
Viscosity:	Water thin	Storage/Stability:	2 years
Foam:	Moderate	Weight per Gallon:	8.46 lbs./gal.
		Freeze / Thaw Stability:	Keep from freezing

Disinfectant Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: One Step (Lemon, Mint, Pine)	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Detergent for Cleaning, Disinfecting and Deodorizing	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Quaternary Detergent Blend	Supplier's Phone #:
	Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
n-alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.78			
n-alkyl (68% C ₁₂ , 32% C ₁₄) Dimethyl ethylbenzyl Ammonium Chloride	68956-79-6	0.78			
Nonionic Surfactant	9016-45-9	0 to 5			
Sodium Carbonate	497-19-8	0 to 5			
Tetrasodium EDTA	64-02-8	0 to 5			
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.	Specific Gravity: 1.008
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 90+	pH: 9.0 – 11.0
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Thin 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

WARNING Eye irritant. Harmful if absorbed through skin. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Wash thoroughly after use. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Use in well-ventilated area. This pesticide is toxic to fish.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Moderate skin irritant. Prolonged or repeated contact may cause dermatitis.
Eyes: Eye irritant. Liquid and mists may injure the eyes, causing corneal damage.
Inhalation: N/A
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Burning, pain, and diarrhea expected with large doses.
First Aid Procedures:

Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: N/A
Ingestion: Give large quantities of milk and water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: No special ventilation required.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eye wash station 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: Product is toxic to fish. 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:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Health
No - Sudden Release of Pressure Hazard		Flammability
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Reactivity
Yes - Immediate (acute) Health Hazard		Personal Protection
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	

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