



Maintenance Solutions

Hang-Tite Plus

Clinging Disinfectant Bowl Cleaner



For Use On:

Toilets
Urinals

DESCRIPTION:

A thick low acid germicidal bathroom cleaner formulated to remove lime and hard water deposits, soap scum, rust, gray and yellow stains from toilet bowls, urinals, and other acid resistant surfaces. Its thick clinging formula allows extended contact time on vertical surfaces.

Efficacy tests have demonstrated that this bowl cleaner is an effective bactericide, in the presence of organic soil (5% blood serum). Contains no phosphates.

DIRECTIONS

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is designed to clean, disinfect and deodorize toilet bowls and urinals. When used as directed, this formulation exhibits effective disinfection against *Salmonella choleraesuis*, *Staphylococcus aureus* and *Pseudomonas aeruginosa* in addition to preventing odors caused by microorganisms.

DISINFECTION- For gross filth or heavy soil, a pre-cleaning step is required for disinfecting.

1. To disinfect toilet bowls, flush toilet and add 4 ounces of bowl cleaner directly to the bowl water. Swab bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand 10 minutes and flush.
2. To disinfect urinals, add 2 ounces of bowl cleaner to 48 ounces (1-1/2 quarts) of water. Flush urinal and apply solution with brush or toilet mop to urinal surfaces, making sure to scrub completely. Let stand for 10 minutes and flush.
3. For badly stained toilet bowls, flush toilet and use toilet mop to push water from the bowl over the trap. Press swab mop against bowl to remove excess water then saturate mop with 2 ounces of bowl cleaner while holding bottle and applicator over bowl. Swab bowl completely making sure to get under the rim. Let stand for 10 minutes then flush. Rinse applicator completely.

Efficacy tests have demonstrated that this bowl cleaner is an effective bactericide, in the presence of organic soil (5% blood serum). Contains no phosphates.

Restroom Cleaners

PRODUCT SPECIFICATIONS			
Acid Content:	8.0 ± 0.5%	Inhibited:	Yes
Color:	Green	Rust Removal:	Excellent
Odor:	Fresh	Detergency:	Excellent
Base:	Hydrochloric acid	Rinsability:	Excellent
	Quaternary ammonium	Fumes:	None
chloride		Flash Point:	None (waterbased)
pH:	0.5 - 1.0	Biodegradability:	Complete
Viscosity:	Thick and clinging	Storage/Stability:	2 years
Foam:	Moderate	Weight per Gallon:	8.75 lbs./gal.
Abrasives:	None		

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Hang Tite Plus	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Clinging Disinfectant Bowl Cleaner	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Acid 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			
Hydrochloric Acid	7647-01-0	8.00	C5 ppm	C5 ppm	N/A
n-Alkyl Dimethylbenzyl Ammonium Chloride	68391-01-5	0.50			
n-Alkyl Dimethylethylbenzyl Ammonium Chloride	68956-79-6	0.50			
Nonionic Surfactant	9016-45-9	0 to 5			
Xanthan Gum	11138-66-2	0 to 5			
Perfume Oils	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 214 F.	Specific Gravity: 1.049
Vapor Pressure: 25mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 90+	pH: 0.5-1.0
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Viscous green 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: Hydrogen or chlorine gas.	Incompatibility (Materials to Avoid): Strong alkalis or oxidizers.

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Wear protective gloves and eyewear when handling. 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. Do not mix this product with any other chemicals. Wash hands thoroughly after use.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Skin irritant. Prolonged or repeated contact may cause chemical burns or lead to severe dermatitis.
Eyes: Severe eye irritant. Liquid and mists may burn or injure eyes, causing corneal damage.
Inhalation: May be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.
First Aid Procedures:
Skin: Flush exposed area with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical 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, and neoprene.
Eye Protection: Safety glasses/chemical face shield.
Other Protective Equipment: Eyewash, chemical resistant apron.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Ventilate area by opening doors or windows. 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:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Compound, Cleaning	Health 2
No - Sudden Release of Pressure Hazard	Liquid, (Hydrochloric Acid), 8, NA-1760, PG III	Flammability 0
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Compound, Cleaning	Reactivity 0
Yes - Immediate (acute) Health Hazard	Liquid, (Hydrochloric Acid), 8, NA-1760, PG III (Limited Quantity)	Personal Protection B
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound ORM-D	

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
Exempt	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