



Maintenance Solutions

# Millennium<sup>®</sup> HP

## High Performance Industrial Cleaner



### DESCRIPTION

A new generation high performance degreaser formulated to remove grease, oil, carbon, or any other industrial soils from concrete, machinery, engines, floors, walls, etc. Contains *HydroSolv 2000™* technology, a fast

### For Use On:

Floors	Tools	Vinyl
Walls	Machinery	Porcelain
Concrete	Stainless Steel	Chrome
Engines	Plastic	

acting powerful solubilizing agent that dissolves and suspends any soil, allowing it to be wiped or rinsed away completely. Cleans faster, easier, and more economically than any product on the market today.

### DIRECTIONS

Dilute with water depending on the job requirement. Apply by mop, sprayer, sponge or automatic scrubber. Apply to surface to be cleaned and allow to stand for several minutes. For heavier soil, agitate briskly with a brush or aggressive pad. For normal soil, allow the product to do the work. Wipe clean with a moist rag, sponge or pick up with wet vac or mop. Where applicable; rinse thoroughly with water. Avoid contact with windows or other glass surfaces.

### FLOORS, WALLS, GENERAL MAINTENANCE:

Light Soil .....	1 to 30 (4 oz./gal.)
Medium Soil .....	1 to 10 (13 oz./gal.)
Heavy Soil .....	1 to 5 (26 oz./gal.)

ENGINES, MACHINERY, CONCRETE, .....1 to 8 (16 oz./gal.)

PAINTED SURFACES.....Pre-test prior to use. Never less than 1 to 10 (13 oz./gal.)

FOR USE IN PRESSURE WASHERS: Adjust spray nozzle to deliver 1 part concentrate to 30-60 parts water depending on soil conditions. Rinse thoroughly with clear water.

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.

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

### PRODUCT SPECIFICATIONS

<b>Active Ingredients:</b>	17.0 ± 0.5%	<b>Emulsification:</b>	Excellent
<b>Color:</b>	Red	<b>Detergency:</b>	Excellent
<b>Odor:</b>	Characteristic	<b>Rinsability:</b>	Complete with water
<b>pH:</b>	11.5 - 12.0	<b>Flash Point:</b>	None (waterbased)
<b>Viscosity:</b>	Waterthin	<b>Biodegradability:</b>	Complete
<b>Foam:</b>	Moderate	<b>Storage/Stability:</b>	2 years
<b>Abrasives:</b>	None	<b>Weight Per Gallon:</b>	8.58 lbs. per gallon
<b>Phosphate Content:</b>	None	<b>Freeze / Thaw Stability:</b>	Keep from freezing
<b>Solubility:</b>	Complete with water		

Millennium Industrial Cleaners

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> Millennium
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> High Performance Industrial Degreaser
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Detergent/solvent blend
	<b>Formula:</b> Proprietary

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Nonionic Surfactant	9016-45-9	0 to 5		Not Hazardous	
Tetrasodium EDTA	64-02-8	0 to 5			
Amphoteric Surfactant	119345-04-9	0 to 5		Not Hazardous	
Amphoteric Surfactant	N/A	0 to 5		Not Hazardous	
Sodium Metasilicate	6834-92-0	0 to 5			
P-Series Glycol Ether	5131-66-8	0 to 5		Not Hazardous	
P-Series Glycol Ether	34590-94-8	0 to 5		Not Hazardous	

## SECTION 3-PHYSICAL DATA

<b>Boiling Point (°F):</b> 212° F.	<b>Specific Gravity:</b> 1.033
<b>Vapor Pressure:</b> 20mm Hg @68°F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 80+	<b>pH:</b> 11.5 ñ 12.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> >1
<b>Physical Description:</b> Thin red liquid with pleasant odor	

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used):</b> None
<b>Upper Explosion Limit:</b> N/A
<b>Lower Explosion Limit:</b> N/A
<b>Extinguishing Media:</b> N/A
<b>Special Firefighting Procedures:</b> Non Flammable
<b>Unusual Fire and Explosion Hazards:</b> N/A

## SECTION 5-REACTIVITY DATA

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Alkaline vapors in a fire.	<b>Incompatibility (Materials to Avoid):</b> Strong Acids, oxidizers, Chlorine

## 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 or mists. Use in well-ventilated area.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

<b>Effects of Overexposure:</b>
<b>Skin:</b> May cause irritation with prolonged or repeated contact (dryness, redness)
<b>Eyes:</b> Eye irritant. May cause conjunctivitis or possible irreversible damage.
<b>Inhalation:</b> Mists may be irritating to mucous membranes in the nose, throat, and lungs.
<b>Ingestion:</b> Irritating to the mouth and throat. May cause headache, nausea, abdominal pain.
<b>First Aid Procedures:</b>
<b>Skin:</b> Flush with water. Seek medical attention if irritation persists.
<b>Eyes:</b> Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.
<b>Inhalation:</b> Get to fresh air. Seek medical attention if irritation persists.
<b>Ingestion:</b> Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

## SECTION 8-SPECIAL PROTECTION INFORMATION

<b>Respiratory Protection:</b> NIOSH/MSHA approved organic vapor canister.
<b>Ventilation Requirements:</b> Provide mechanical exhaust when misting of product is present.
<b>Protective Gloves:</b> Rubber or other chemical resistant.
<b>Eye Protection:</b> Safety glasses or chemical splash goggles.
<b>Other Protective Equipment:</b> Eyewash station nearby. Wear protective outer-wear when danger of mist contact may occur. Protective rubber boots should be worn.

## SECTION 9-SPILL OR LEAK PROCEDURES

<b>Steps to be taken in Case Material is Released or Spilled:</b> Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
<b>Waste Disposal Method:</b> 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

<b>SARA Title III - Section 311/312 -Hazard Categories:</b>	<b>Shipping Information:</b>	<b>HMIS Hazardous Materials Identification System</b>
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	<b>Health</b>
No - Sudden Release of Pressure Hazard		<b>Flammability</b>
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	<b>Reactivity</b>
Yes - Immediate (acute) Health Hazard		<b>Personal Protection</b>
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</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