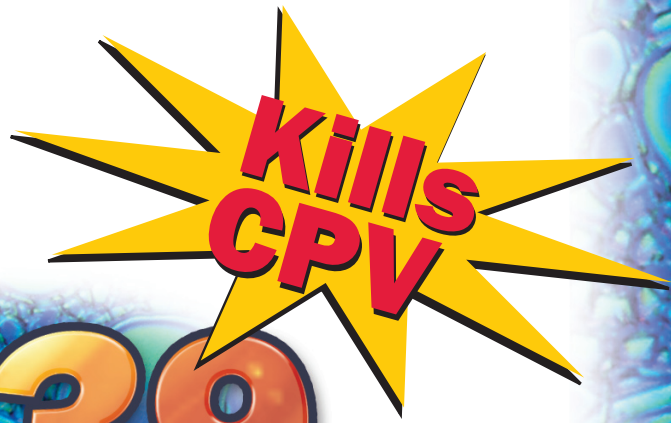


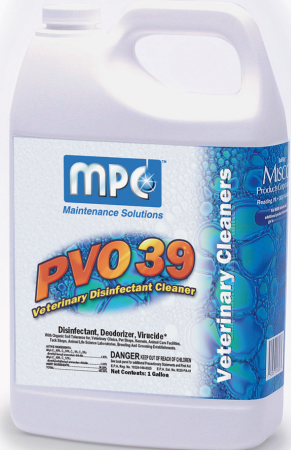


Maintenance Solutions



# PVO 39

## Veterinary Disinfectant Cleaner



### DESCRIPTION

Cross contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces. This product is a concentrated disinfectant that is effective against a broad spectrum of bacteria and is virucidal\* when used as directed. When used as directed, this product will deodorize surfaces where bacterial growth can cause malodors. Can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

### For use in:

Veterinary clinics, animal life science laboratories, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, tack shops and other animal care facilities. Animal holding areas, waiting rooms, examination rooms, x ray, operating rooms.

This product may be used on washable hard non-porous surfaces such as: Non-food contact glass, metal, stainless steel, glazed porcelain, glazed ceramic, granite, marble, plastic, chrome and vinyl, Enameled surfaces, painted woodwork, Formica, vinyl and plastic upholstery. Tables, chairs, desks, lifts, washable walls, cabinets, doorknobs and garbage cans. Examination tables, X ray tables, washing areas, animal grooming areas. Kennels, kennel runs, cages, floors, conductive flooring.

### DIRECTIONS

For use on hard non-porous surfaces in animal care facilities such as floors, walls, cabinets, chairs, tables, cages, feeding and watering equipment, furniture, operating tables, metal surfaces, stainless steel, glazed porcelain, painted or sealed woodwork, ceramic tile and plastic. Apply this product with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray.

Virucidal Performance: At 3 ounces per one gallon use level or equivalent dilution (750 ppm active quat), this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses on hard nonporous environmental surfaces:

- |                            |                                   |
|----------------------------|-----------------------------------|
| Canine Adenovirus          | Feline Infectious Peritonitis     |
| Canine Coronavirus         | Feline Panleukopenia              |
| Canine Distemper Virus     | Feline Picornavirus               |
| Canine Parainfluenza Virus | Feline Rhinotracheitis            |
| Feline Calicivirus         | Infectious Canine Hepatitis Virus |

Effectiveness against Canine Parvo Virus (CPV) and Porcine Parvovirus: At 9 ounces per gallon of water or equivalent dilution this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against Canine Parvo Virus and Porcine Parvovirus on hard non-porous environmental surfaces. General Deodorization: To deodorize, add 3 ounces of this product per gallon of water (or equivalent use dilution) (750 ppm active quat). Excess material should be wiped up or allowed to air dry. For Odors Caused by Dogs, Cats and Other Domestic Animals: Use on rugs, floors, walls, tile, cages, crates, litter boxes, mats, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization".

### PRODUCT SPECIFICATIONS

<b>Color:</b>	Green	<b>Solubility:</b>	Complete with water
<b>Odor:</b>	Pine	<b>Emulsification:</b>	Excellent
<b>pH:</b>	12 - 14	<b>Detergency:</b>	Excellent
<b>Base:</b>	Quaternary ammonium chloride	<b>Rinsability:</b>	Excellent
<b>Viscosity:</b>	Slight Viscous	<b>Flash Point:</b>	None (waterbased)
<b>Foam:</b>	Moderate	<b>Storage/Stability:</b>	2 years
<b>Abrasives:</b>	None	<b>Weight per Gallon:</b>	9. lbs./gal.
		<b>Freeze / Thaw Stability:</b>	Keep from freezing

Veterinary Cleaners

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> PVO-39	<b>Supplier's Name:</b>
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> Veterinary Disinfectant Cleaner	<b>Supplier's Address:</b>
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Quaternary Detergent Blend	<b>Supplier's Phone #:</b>
	<b>Formula:</b> Proprietary	
	<b>EPA Reg. No.:</b> 10324-140-	

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	1.60			
Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	7173-51-5	1.60			
Lauryl Dimethyl Amine Oxide	1643-20-5	0 to 5			
Tetrasodium salt of EDTA	64-02-8	0 to 5			
Sodium Metasilicate	6834-92-0	0 to 5			
Tetrapotassium Pyrophosphate	7320-34-5	5 to 15			
Perfume Oils	N/A	0 to 5			
Dye	N/A	0 to 5			

## SECTION 3-PHYSICAL DATA

<b>Boiling Point (°F):</b> 212 F.	<b>Specific Gravity:</b> 1.147
<b>Vapor Pressure:</b> 20mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 80+	<b>pH:</b> 12.0 – 14.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> <1
<b>Physical Description:</b> Thin green liquid with pleasant pine 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> Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and oxides of carbon and nitrogen	<b>Incompatibility (Materials to Avoid):</b> Strong oxidizing or reducing agents

## SECTION 6-STORAGE AND HANDLING INFORMATION

CORROSIVE. Avoid contact with eyes, skin and clothing. Wear rubber gloves and protective eyewear when handling concentrate or diluted product. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. EPA registered product, follow direction exactly. Avoid breathing of mists. Use in well-ventilated area.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
**Skin:** Severe skin irritant. Prolonged or repeated contact may burn and/or irreversible damage.  
**Eyes:** Severe eye irritant. Liquid and mists may injure the eyes, causing corneal burns/damage.  
**Inhalation:** N/A  
**Ingestion:** Irritating to the mouth, throat, and gastrointestinal system. Burning, pain, severe swelling of larynx; skeletal muscle paralysis, drowsiness.  
**First Aid Procedures:**

**Skin:** Remove contaminated clothing. Immediately flush affected areas with large quantities of water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open, for at least 15 minutes. Seek medical attention immediately.  
**Inhalation:** Remove to fresh air and monitor. Seek medical attention.  
**Ingestion:** Give large quantities of milk or water. Do not induce vomiting. Seek medical attention immediately.  
**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Supplemental oxygen and other measures to support breathing may be needed to combat circulatory shock.

## SECTION 8-SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** No special requirements.  
**Ventilation Requirements:** Local exhaust generally sufficient.  
**Protective Gloves:** Chemical resistant rubber or neoprene.  
**Eye Protection:** Chemical splash goggles or full-face shield.  
**Other Protective Equipment:** Eyewash station should be provided nearby. Wear protective rubber footwear when using on floors.

## 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:** EPA registered pesticide. Any method in accordance with local, state and federal laws governing such. Best method is to recycle or reuse for intended purpose. If disposed of in its purchased form, this product has the RCRA characteristic of corrosivity and would have an EPA Hazardous waste number of D002. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Triple 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: Corrosive liquid, basic, Organic, N.O.S. (Quaternary Ammonium Compound), 8, UN3267, PGIII  
 FOR 1 GALLON CONTAINERS : Corrosive liquid, basic, Organic, N.O.S. (Quaternary Ammonium Compound), 8, UN3267, PGIII (Ltd. Qty)  
 FOR CONTAINERS < 1 GALLON : ORM-D

## HMIS Hazardous Materials Identification System

<b>Health</b>	<b>3</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>D</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