

# Power-Kleen V

## pH Controlled Wash Multi Metal

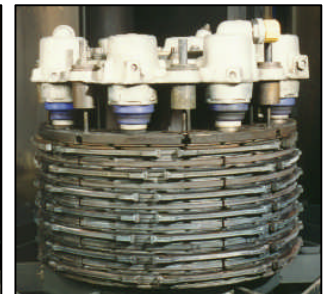
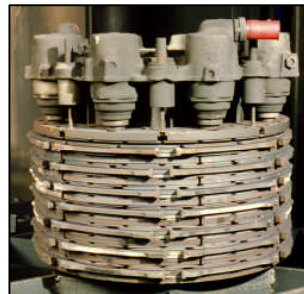
*Lower pH, Good Rinsing, Low Foaming Detergent Safe for Aluminum, Steel, Iron, Rubber & Plastic*

### GENERAL DESCRIPTION

Power-Kleen V is a 100% active concentrated cleaner designed specifically for high pressure & high temperature spray washing of Aluminum, Iron, Steel and all Multi-metals. The powerful cleaning action becomes more effective at higher temperatures. It is safe for use on all metals, rubber or plastics requiring no extra steps for most applications. Power Kleen V is best used in cleaning applications where excellent cleaning with a pH controlled chemical is required. Quickly removes baked on carbon, mill oils, heavy greases, lubricants and other soils commonly encountered in a manufacturing and maintenance.

### ADVANTAGES

- Deep Cleaning detergent for oil, grease, lubricants, and other soils on ferrous or non-ferrous metals.
- 100% Active Concentrated chemical with no fillers
- Formulated with rust inhibitors to protect your washer & unrinsed parts even at a lower pH.
- Low foaming with built-in defoamant and formulated to maintain effectiveness in hard water.
- An Alkaline spray washing detergent with a controlled pH of 10 to 11.5 meets most plant safety requirements.
- No Silicone that could interfere with paint or coatings.



### APPLICATION GUIDELINES

Power-Kleen V is designed for use at low concentrations:

- Washing light soils/High Rinsing 3.5 oz/gal to 5.0 oz/gal
- Washing heavier soils 5.0 oz/gal to 8.0 oz/gal
- Useable temperature range 140° - 210°. Higher temperatures increase effectiveness.

### PHYSICAL PROPERTIES (TYPICAL DATA)

Form.....Liquid  
Color (concentrate) .....Clear Amber

pH range of Working Solution.....10.0-11.5  
pH of concentrate.....Below 12



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## MIXING INSTRUCTIONS

**For MART Power Washers:** Heat the water to at least 160°F. Open and secure the Power Washer door. Carefully and slowly pour 3.5 to 8 oz of detergent per gallon of system capacity over the door frame and through the expanded metal internal reservoir cover in the washer. Close the washer door and start the pump to mix the detergent.

**For all other cleaning equipment:** Add chemical carefully and as instructed by the machine manufacturer. Avoid “dumping” of chemical directly into washer reservoir. Violent exothermic (heat released) reactions, splashing of heated chemical solutions and the premature release of fumes may occur. If chemical must be added to the solution, slowly pour chemical into solution while continuously mixing.

## HEALTH AND SAFETY

Avoid contact with chemical and solution. Avoid inhaling fumes. Instructions can also be found on the Power-Kleen V label, MART Tech Services Website or reference the MART Power Washer Operating Manual. Get the most recent MSDS from our website at [www.marttechservices.com](http://www.marttechservices.com) or call MART Tech Services

## PACKAGING

Part Number	Package Size
85168	5 gal Pail
85169	55 gal Drum

- Shipping: Ships UPS or Truck, Next day Available
- For additional information, please contact:  
MART Tech Services at 1-800-543-6278 or visit our Website: [www.marttechservices.com](http://www.marttechservices.com)

## MONITORING CONCENTRATION

Power-Kleen V concentration should be monitored by Titration using the MART titration Kit P/N 22203.

This test, which consists of an “indicator” (Phenolphthalein) and a “titrant” (acid), determines the concentration of POWER KLEEN V in the solution. **Caution:** Wear eye protection and gloves during the test.

Notes: Cool solution to room temperature.  
For better accuracy and repeatability:

- Run the solution through a coffee filter to remove impurities.
- Clean the Test Tube thoroughly before each use.
- Hold the acid bottle vertically to ensure consistent droplet size.

Procedure:

- Pour 12.5 ml of washer solution to the mark on the Test Tube.
- If solution is murky, add small amount of water for clarification.
- Add 5 drops of Phenolphthalein Indicator. Solution will turn pink.
- Add acid, one drop at a time, and count the drops while swirling the solution in the test tube until pink color is completely gone.
- Reading: Approximate Concentration of Power Kleen V, expressed as oz/gal, equals (number of drops) divided by 3. Concentration Formula: Drops of Acid / 3 = oz per gallon
- Pour test solution into machine reservoir, wash Test Tube, and repeat to confirm results.



**Titration Kit #22205**

Drops of Acid	6	9	12	15	18	21
Power-Kleen V Ounces per gallon	2 oz	3 oz	4 oz	5 oz	6 oz	7 oz

**Acid Count VS Concentration Chart:** Count Drops of Acid, find concentration in table.