

Power-Kleen II

Aluminum Safe

Highly Concentrated, Low Foaming Detergent Safe for Aluminum, Iron, Steel, and Multi-metals

GENERAL DESCRIPTION

Power-Kleen II is a 100% active concentrated cleaner designed specifically for high pressure & high temperature spray washing of Aluminum, Iron, Steel, Brass and other-metals. The powerful cleaning action becomes more effective at higher temperatures. It is safe for use on all metals and requires no extra steps for most applications. Power Kleen II is best used in a cleaning application where the most powerful cleaning action is desired and different types of metals will be cleaned in the same washer.

ADVANTAGES

- Effectively attacks oil, greases, scale, rust, paint, carbon soils, brake dust, and other soils
- 100% Active Concentrated chemical with no fillers
- Does not break down under high temperature and high pressure.
- Formula includes rust inhibitors to protect your washer & unrinsed parts
- Built-in defoamant reduces need for separate anti-foam and reduces your total chemical needs.



BEFORE

AFTER

APPLICATION GUIDELINES

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

- Washing light soils 3.0 oz/gal to 5.0 oz/gal
- Washing heavier soils 6.0 oz/gal to 8.0 oz/gal
- Useable temperature range 150° - 210°. Higher temperatures increase effectiveness.

PHYSICAL PROPERTIES (TYPICAL DATA)

Form.....Powder
Color (concentrate)White
Base.....Sodium Metasilicate

pH range of Working Solution.....11.5-12
pH of concentrate.....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 distribute ½ to 8 oz of detergent per gallon of water on the drip pan beneath the turntable in the washer. Close the washer door and start the pump to dissolve 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 dust and fumes. Instructions can also be found on the Power-Kleen II 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 or call MART Tech Services

PACKAGING

Part Number	Package Size
52785	50 lb Pail
52786	450 lb 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

MONITORING CONCENTRATION

Power-Kleen II concentration should be monitored by Titration using the MART titration Kit P/N 22201.

This test, which consists of an “indicator” (Phenolphthalein) and a “titrant” (acid), determines the concentration of POWER KLEEN II 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 II, expressed as oz/gal, equals (number of drops) divided by 3.5. Concentration Formula: Drops of Acid / 3.5 = oz per gallon
- Pour test solution into machine reservoir, wash Test Tube, and repeat to confirm results.



Titration Kit #22201

Drops of Acid	5	10	15	20	25	30
Power-Kleen II Ounces per gallon	1.4 oz	2.9 oz	4.3 oz	5.7 oz	7.1 oz	8.6 oz

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