

# Power-Kleen IL

Iron and Steel Sodium-Free & High-Rinse

*Heavy-Duty, Improved Rinse, Low Foaming Detergent for Iron and Steel*

## GENERAL DESCRIPTION

Power-Kleen IL is a 100% active concentrated liquid cleaner designed specifically for high pressure & temperature spray washing and rinsing of iron & steel. The powerful cleaning action becomes more effective at higher temperatures Power Kleen IL is an aggressive detergent that tackles the tough soils on iron & steel, but won't leave a heavy residue.

## ADVANTAGES

- Advanced cleaning detergent for removing ink, oil deposits, heavy greases, scale, rust, paint, carbon based soils, engine varnish and other soils
- Excellent detergent for removing all different colors of ink from pails, buckets and totes while controlling foaming with new Power Kleen X Non-silicone Defoamant
- 100% Active Concentrated chemical with no fillers
- Effective Cleaning & Rinsing for Iron & Steel
- Activated rust inhibitors protect your washer & unrinsed parts
- Built-in defoamant reduces the need for additional anti-foam products.
- Liquid Detergent is easy to pump and dispense into the washer



**BEFORE**



**AFTER**

## APPLICATION GUIDELINES

Power-Kleen IL 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 10.0 oz/gal
- Ink Cleaning Applications 7.0 oz/gal to 9 oz/gal
- Useable temperature range 140° - 200°. Higher temperatures increase effectiveness.

## PHYSICAL PROPERTIES (TYPICAL DATA)

Form.....Liquid  
Color (concentrate) .....Amber  
Base.....Potassium Hydroxide

pH range of Working Solution.....13-14  
pH of concentrate.....14



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## MIXING INSTRUCTIONS

**For StingRay / MART Parts Washers:** Heat the water to at least 160°F. Open and secure the Parts Washer door. Carefully and slowly pour ½ to 10 oz of detergent per gallon of water 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. Wear eye protection and gloves when handling chemicals. Instructions can also be found on the Power-Kleen IL label, StingRay Tech Services Website or reference the StingRay / MART Power Washer Operating Manual.

Get the most recent MSDS from our website at [www.stingrayservice.com](http://www.stingrayservice.com) or call StingRay Tech Services.

## PACKAGING

Part Number	Package Size
85065	5 Gallon Pail
85066	55 Gallon Drum

- Shipping: Ships Truck
- For additional information, please contact:  
StingRay Tech Services at 1-800-543-6278 or  
visit our Website: [www.stingrayservice.com](http://www.stingrayservice.com)

## MONITORING CONCENTRATION

Power-Kleen IL concentration should be monitored by titration using the Power-Kleen Titration Kit P/N 22200.

This test, which consists of an “indicator” (Phenolphthalein) and a “titrant” (acid), determines the concentration of POWER KLEEN IL 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 IL, expressed as oz/gal, equals (number of drops) divided by 4. Concentration Formula: Drops of Acid / 4 = oz per gallon
- Pour test solution into machine reservoir, wash Test Tube, and repeat to confirm results.



**Titration Kit #22200**

Drops of Acid	12	16	20	24	28	32	36	40
Power-Kleen IL Ounces per gallon	3 oz	4 oz	5 oz	6 oz	7 oz	8 oz	9 oz	10 oz

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



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