

# Industrial Research Products

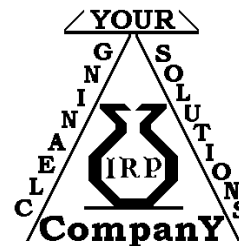
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*Industrial Research Products High Performance Products*

## POWER KLEEN C.I.P. CLEANER

HIGH ALKALINE NON-FOAMING LIQUID

### Application

POWER KLEEN is a highly alkaline, non foaming, economical liquid designed to be used at high or low temperatures. It is specifically formulated for C.I.P. cleaning, fish meal cookers, rendering cookers, ware washing and destaining operations in the food industry. POWER KLEEN is particularly suitable for peptizing proteins and removing food soil build-up. It can be added to sodium hypochlorite solutions for removing vegetable and fruit stains, fats and other soils from neoprene boards and belts.

### Product Utilization

C.I.P. and Recirculating Wash Systems  
Dish and Pot Wash Systems  
Pressure Wash Systems  
Manual cleaning (mop and bucket)

### Advantages

Highly concentrated - Economical  
Multiple application formulation  
Non-foaming at high or low temperatures  
Compatible with sodium hypochlorite

### General Directions

C.I.P. Cleaning: Always pre-rinse the system to be cleaned with potable water to remove loose soils. Use POWER KLEEN at .5 to 3 ounces per gallon of warm (60° - 70°C) water for 10 - 20 minutes. Cleaning times, detergent concentration and temperature will vary depending upon the type of soil and cleaning frequency. Follow with a potable water rinse until the discharge is clear. Finally recirculate an acid sanitizer through the system to neutralize and sanitize the system.

Fish meal cookers and rendering cookers: Always pre-rinse the system to be cleaned with potable water to

remove loose soils. Do not use metal scrapers or scrubbers inside the cooker. This will scratch the surface, making it easier for carbonized soils to re-attach in future batches. Use POWER KLEEN at 5 to 10 ounces per gallon of warm (80°C - 90°C) water for 4 - 5 hours. Let stand overnight. Drain and follow with 2 potable water flushes. To remove residual carbonized soils and neutralize the system follow with a 5% nitric acid bath at 80°C for 1 hour.

Dish and Pot Washing: Fill wash tank with hot water and switch on the automatic dispenser. Be sure to check the dispenser for product. The machine will be charged automatically.

Pressure Wash Systems: Dilute 1 to 6 oz. of POWER KLEEN per gallon of water. Spray product onto surface with garden-type sprayer or low pressure side of pressure washer. Start spraying of product from bottom up, working from side to side. Allow product to dwell for a brief penetration period, do not allow to dry. Scrub with brush or pad, if necessary. Switch back to high pressure to rinse away soils, rinsing from bottom up. Finally, rinse from top down.

Neoprene Boards and Belts: Pre-mix POWER KLEEN and 12% sodium hypochlorite solution in a 3 to 1 oz. ratio. Use this solution diluted 1:5 to 1:10 with warm water to remove fats, oils, and greases, and vegetable and fruit stains from processing belts and boards.

In all cases, always rinse with potable water the surfaces that may come into contact with food.

### Product Data

Dilution	.5 - 3 oz for C.I.P. cleaning 5 - 10 oz for cookers 1 - 6 oz for pressure cleaning
Color/Form	Clear / Liquid
Fragrance	Odorless
pH	13.0 - 14.0
Flash Point	None at use dilution

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## Precautions

Do not get concentrate in eyes or mouth. Avoid inhaling concentrated vapors. Wear suitable safety clothing when using this product. This includes splash-proof safety goggles, nitrile or neoprene gloves and waterproof apron or coat and pants. Be sure to read and understand product label and MSDS information prior to using this product. Keep this and all cleaning compounds away from children.

POWER KLEEN is safe when used as directed on iron, stainless steel, PVC, polyethylene, rubber and glass. Do not use on aluminum, copper, brass or galvanized metals when soak cleaning. Be sure to read and understand product label and MSDS information prior to using this product. Keep this and all cleaning compounds away from children.

### Packaging

### Product Code

5 gallon pail	201205
55 gallon drum	201255