

# POWER PUNCH 22

## Draught Equipment Cleaner

Power Punch 22 utilizes a superior, high quality blend of surfactants and detergents to safely and quickly remove buildup in draught beer lines. While other beer line cleaners use high concentrations of dangerous caustics (similar to drain openers) to burn out beer lines, Power Punch 22 cleans safely and effectively without the corrosive chemicals that can harm equipment, cleaning personnel or patrons. Power Punch 22's bright, florescent green, food grade dye facilitates the complete rinsing of draught beer lines, eliminating the risk of cleaning solution being left in the lines. Power Punch 22 ensures that patrons receive the best tasting beer possible, time and time again.



### APPLICATION & MAINTENANCE

- For initial cleaning of neglected lines Mix 4 ounces of Power Punch 22 with warm or hot water. For routine cleaning of draught lines and equipment mix 1 to 2 ounces of Power Punch 22, depending on cleaning schedule and soil load, with warm or hot water.
- Introduce the cleaning solution into the draught lines.
- When the liquid exiting the tap is *bright green*, shut off the flow and allow the lines to soak for 6 to 10 minutes.
- Flush the green solution from the lines with clean water until it runs clear.

Cleaning efficiency comparisons between a commercially available caustic line cleaning compound and Power Punch 22 was determined using an average percentage removal rate after using a 2% solution concentration @ 25° C, a 2 hour immersion, and a 2 minute clean water rinse at 50° C . The deposit consisted of proteinaceous matter, dextrin, mold fragments, and oxalate crystals in skin, flake and granular form.

#### % of deposit removed from 5/16" tubing

Caustic Line Cleaner  
55%

Power Punch 22  
90%

#### % of deposit removed from 1/2" tubing

Caustic Line Cleaner  
40%

Power Punch 22  
82%

### SPECIFICATIONS

Active Ingredients	Complex concentrate of synthetic detergents and alkaline cleaning agents
pH	13.0 ± 0.5
Free Ammonia	None
Free Alkali	None
Free Acid	None
Phosphates	None
Abrasives	None
Color	Florescent Green
Odor	Mild Detergent Odor
Solubility in Water	100%
Freeze/Thaw Stability	3 cycles
Shelf Life	Min.1 year (30°F.-125°F.)
Flash Point	None
Weight Per Gallon	8.6
Biodegradable Soil Suspension	Yes

### SAFETY INFORMATION

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

This product does not contain hazardous ingredients as defined in OSHA 29 CFR 1910.1200, M.G.L. 111F or DOT 49 CFR 173.

**CAUTION:** Concentrated can cause eye and skin irritation.

**FIRST AID :** In case of contact, flush with plenty of water. If swallowed, get medical attention immediately. Consult Material Safety Data Sheet before using.



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