

## TECHNICAL DATA SHEET

# CLR PRO® INDUSTRIAL SYSTEMS FLUSH

### DESCRIPTION

CLR PRO® Industrial Systems Flush is an effective way to remove water-formed scale deposits, increasing the efficiency of equipment like heat exchangers, cooling towers, evaporative condensers, steam generators, and pipes

### FEATURES & BENEFITS

- Helps prevent equipment from overheating or failure, and energy inefficiencies with regular use
- Safely dissolves calcium, lime, rust and other deposits from water passages in water cooled or heated equipment
- Contains no harsh chemicals, like ammonia, phosphates, or solvents
- Readily biodegradable
- Manufactured in the USA

### APPLICATIONS

HEAT EXCHANGERS	COOLING TOWERS	UV STERILIZING
BOILERS	STEAM GENERATORS	
CONDENSERS	INJECTION MOLDS	

### DIRECTIONS FOR USE

1. Isolate the equipment from the freshwater supply.
2. Attach pump and hose to the bottom (supply) valve and back out the top (return) valves where the CLR PRO® Industrial Systems Flush can be flushed continuously.
3. Determine the appropriate amount of Industrial Systems Flush needed for the system. The recommended dilution is a 50% ratio of CLR PRO® ISF to water. Depending on the amount of scale present, a stronger solution can be used, OR the flush time increased and/or repeated.
4. The effectiveness of the solution can be checked periodically with a pH meter. Should the circulation solution rise above the pH level of 5.5 before the flush time expires, additional ISF needs to be added, and the cycle time may need extending.
5. Upon completion of the flush, the effluent can be purged, and a freshwater flush should be performed before the system can be reattached and brought back online.

*Dispose of spent solution per state or local regulations.*

Product	Size	Stock #
CLR PRO® Industrial Systems Flush	1 Gal.	I-ISF-4PRO
CLR PRO® Industrial Systems Flush	5 Gal.	I-ISF-5PRO
CLR PRO® Industrial Systems Flush	55 Gal.	I-ISF-55PRO
CLR PRO® Industrial Systems Flush	275 Gal.	I-ISF-275PRO

**Safety:** See label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application, handling, and disposing. SDS is available online at [www.clrpro.com](http://www.clrpro.com).



### PHYSICAL & CHEMICAL PROPERTIES

Appearance	Crystal clear, light green liquid
Odor	Slightly acidic
Odor Threshold	N.D.
pH @20°C	2.05-2.30
Melting Point	N.D.
Freezing Point	N.D.
Boiling Point	99°C / 210°F
Boiling Point Range	N.A.
Flash Point	None
Evaporation Rate	N.D.
Flammability	Not Flammable
Upper/Lower Flammability	N.A.
Vapor Pressure @20°C	N.D.
Vapor Density (mm Hg)	N.D.
Relative Density	1.040 - 1.060
Solubility in Water	100%
Partition Coefficient;	N.D.
Auto Ignition Temperature	N.A.
Decomposition Temperature	N.A.
Viscosity	N.D.
VOC	0%

TDS-I-ISF0421