



# PRO-CHEM-CO, INC.

# TECHNICAL DATA

## PRO-CLEAN FE

### HEAVY-DUTY STEEL CLEANER

#### DESCRIPTION:

PRO-CLEAN FE is a heavy-duty, aqueous, steel cleaner for spray and hot tank operations. PRO-CLEAN FE is ideal for removing **tough** soils and greases by its unique penetrating and soil-dispersing action. This biodegradable, low temperature cleaner has the high detergency to handle any **tough job!**

#### BENEFITS:

- Low temperature cleaning
- Hard water stable
- Outstanding detergency
- Economical – low end use cost
- Safe on copper, brass, or magnesium
- Optimal tank life
- Extremely low foam
- Removes carbon and greases
- “Splits out” soils
- Versatile – tank, spray, steam gun

#### OPERATIONS/APPLICATIONS:

- Engine rebuilding
- Small parts cleaning
- Railroad maintenance
- Tunnel washers
- Removing stamping lubes
- Pickle or strip cleaner
- Barrel cleaning
- Heat treatment cleaning
- Cleaning before phosphating or corrosion coating
- Paper mill cleaning
- Removing heavy cutting oils or drawing lubes
- Hot tank cleaning
- Removing corrosion preventatives
- Sump cleaning

**DIRECTIONS FOR USE:**

PRO-CLEAN FE can be diluted with water to any concentration desired. The proper mixing ratio depends upon cleaning temperature, exposure time, composition of soil and application method. PRO-CLEAN FE is not intended for use on aluminum or zinc alloys. The concentration chart below offers a good starting point.

\* **Note** – consult your sales representative for cleaner dispensers or titration methods.

<b>Recommended Starting Dilutions</b>		
<b>APPLICATION</b>	<b>RANGE</b>	<b>PRO-CLEAN FE CONCENTRATION</b>
Spray Washers	120-170° F	1-6%
Hot Tanks	80-180° F	2-10%
Barrel Washing	75-170° F	2-8%
Wand or Steam Gun	R.T. - 100° F	1-3%

**Note:** The most effective method to monitor cleaner life is by determining the ratio of total and free alkalinity.

**PROPERTIES:**

Appearance ----- Amber Colored, Clear Liquid  
Odor ----- Bland  
pH ----- 13 Typical  
Specific Gravity ----- 1.34  
Flash Point ----- None

**PACKAGING:**

PRO-CLEAN FE is available in 5-gallon pails, 55-gallon drums, totes, and bulk.