



# PRO-CHEM-CO, INC.

# TECHNICAL DATA

## PRO-CLEAN U

### HIGH DETERGENCY ULTRASONIC CLEANER

#### DESCRIPTION:

PRO-CLEAN U is a state-of-the-art buffered ultrasonic cleaner for **all** metals. PRO-CLEAN U combines ultra high detergency with exceptional rinsing properties to produce a unique aqueous cleaner. PRO-CLEAN U eliminates all possibility of staining on even the most sensitive base metals or alloys.

#### BENEFITS:

- Hard water stable
- “Streakless” rinsing
- Low-temperature cleaning
- Foam enhancer
- Long tank life
- Biodegradable/non-hazardous
- Safe on all metals
- Unique detergency/wetting properties
- Economical – low end, use easily cost
- Lifts “caked or baked” on soils
- Operator friendly
- Easy disposal/treatment

#### OPERATIONS/APPLICATIONS:

- Removing buffing/polishing compounds
- Cleaning precious metals
- Ultrasonic cleaning of **all metals**
- Cleaning precision tools or instruments parts
- Tumbling nickel, silver, or copper
- Cleaning rubber, plastic, or painted surfaces
- Cleaning part cavities or holes on small parts
- Pre-cleaning prior to electrocleaning
- Cleaning/brightening copper alloys
- Lapidary work
- Cleaning musical instruments
- Cleaning jewelry
- General hot tank cleaning
- Cleaning any sensitive surface!

**DIRECTIONS FOR USE:**

PRO-CLEAN U 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 U is **not** intended for use in spraying applications. Use warm water when rinsing if possible. The concentration chart below offers a good starting point.

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

<b><u>Recommended Starting Dilutions</u></b>		
<b>APPLICATION</b>	<b>RANGE</b>	<b>PRO-CLEAN U CONCENTRATION</b>
Ultrasonic Cleaning	130 -160° F	2 - 8%
Hot Tank Cleaning	130 - 180° F	1 - 10%
Vibratory/Tumbling	R.T. - 110° F	1 - 4%
Rotary Barrel	R.T. - 110° F	1 - 4%

**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 ----- 1.00  
Flash Point ----- None

**PACKAGING:**

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