



# PRO-CHEM-CO, INC.

# TECHNICAL DATA

## PRO-CLEAN AL

### ALUMINUM SPRAY CLEANER

#### DESCRIPTION:

PRO-CLEAN AL is a high detergency, low foam, aqueous spray cleaner for aluminum and other soft metals. PRO-CLEAN AL is non-staining or oxidizing to even the most sensitive alloys and composite materials. This is the cleaner of choice with mixed metals or parts that have elastomeric or organic coatings.

#### BENEFITS:

- Versatile – tank, spray, vibratory, wipe
- Paintable film
- **Cleans and brightens** metals
- Ideal on aluminum, good on steels
- Non-staining on sensitive metals
- Good “oil splitting” properties
- Free – “**no spot**” rinsing
- Mild – operator friendly product
- Low temperature performance
- Economical – low end use cost
- Outstanding “wetting” properties
- Hard water stable

#### OPERATIONS/APPLICATIONS:

- Tunnel spray washing
- Hot tank cleaning
- Copper tube cleaning
- Removing coolants
- Cleaning galvanized
- Barrel cleaning copper parts
- Aluminum strip cleaning
- Vibratory cleaning (protects media-cleans parts)
- Burnishing aluminum
- Cleaning off stamping lubricants
- Cleaning castings or forgings
- Wipe down machine cleaning

## DIRECTIONS FOR USE:

PRO-CLEAN AL 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 AL 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>TEMPERATURE RANGE</b>	<b>PRO-CLEAN AL CONCENTRATION</b>
Spray Washing	110 – 140° F	2 -5% (1:50 – 1:20)
Tank Washing	115 – 145° F	3 - 6% (1:30 – 1:17)
Vibratory/Tumbler	R.T. – 110° F	1 - 4% (1:100 – 1:25)
Barrel/Rotary	90 - 110° F	1 - 4% (1:100 – 1:25)
Wand/Steam Gun	R.T. – 100° F	1 - 3% (1:00 – 1:30)

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

## PROPERTIES:

Appearance ----- Clear, Blue Liquid  
Odor ----- Characteristic  
pH ----- 10 Typical  
Specific Gravity ----- 1.09  
Flash Point ----- None

## PACKAGING:

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