

# CHEM-CLEAN 8

## ALUMINUM AND STEEL PARTS CLEANER

### ▶ PRODUCT DESCRIPTION

**Chem-Clean 8** is a specially formulated, non-hazardous, silicate free near neutral pH cleaner for pre-paint and other applications. Chem-Clean 8 is very effective at removing very heavy, oily contaminants such as tube bending lubricants. Chem-Clean 8 may be used in hard or soft water. Chem-Clean 8 is equally effective in spray or dip washers.

### ▶ FEATURED BENEFITS

- Near neutral pH product with low hazard rating for operators and equipment
- Silicate and Caustic free formulation provides residue-free parts ideal for pre-painting and plating operations
- Cleans and removes tough stamping, forming and broach oils from steel, cast iron or aluminum parts
- Excellent cleaning power in low to moderate temperature heated spray washers
- Short term corrosion protection
- High detergency for soak washers
- May be used as a degreasing cleaner in pre-paint washerst

### ▶ APPROVALS

- Not compliant for California SCAQMD Rule 1144

### APPLICATION



#### COMPATIBLE METALS

Steel  
Cast Iron  
Stainless Steel  
Aluminum Alloys  
Galvanized  
Painted parts

#### OPERATION/APPLICATION

##### METHOD

Immersion  
Spray

#### RECOMMENDED

##### OPERATING TEMPERATURE

104° to 140°F (40° to 60°C)

#### RECOMMENDED DILUTION

##### RANGE

5 – 12% v/v

#### FOAMING CHARACTERISTICS

Low in heated washers

#### RUST PROTECTION

Provides corrosion protection for parts in process and inside storage for up to three months.





## TYPICAL PROPERTIES

Fluid Type	Alkaline cleaner
Appearance	Golden yellow color
Odor	Characteristic cleaner odor
Specific Gravity, 60°F (15.6°C)	0.98
Weight, 60°F (15.6°C)	8.17 lbs/gal.
pH (concentrate)	9.91
pH (5% dilution)	8.23
VOC, ASTM 1868	172.1 grams/liter

## PRODUCT APPLICATION / USAGE

Chem-Clean 8 is recommended for cleaning steel, aluminum and cast iron parts. The no residue formula is ideal for cleaning parts prior to the application of conversion coatings and painting. For Spray Washers, a minimum temperature of 104°F (40°C) is recommended.

Operation	Temperature	Product Concentration
Spray washer	104° to 140° (40° to 60°C)	3–5%
Dunk washer	Ambient to 140° (60°C)	4–6%
Agi-Lift Dunk/Spray	104° to 140° (40° to 60°C)	3–5%

## MIXING DATA

Chem-Clean 8 is to be mixed with water for use. Always add product concentrate to the water, not water to product concentrate. Add with mild agitation. Product concentration can easily be monitored by refractometer.

Concentration titration instructions: Take a 100 ml sample of the bath and titrate with 0.5 N HCl to Bromcresol Green-Methyl red end point. Titrate sample to appearance of red color.

Concentration	10%	9%	8%	7%	6%	5%	4%	3%	2%	1%
Refractometer Reading	2.4	2.0	1.8	1.6	1.4	1.2	1.0	0.7	0.5	0.3
Titration, mls	13.1	11.8	10.6	9.4	8.2	7.0	6.2	5.1	3.6	2.7

## PRODUCT CODE

4200030000

## HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).