

# LAC 147

## LIQUID ALKALINE SPRAY CLEANER

### ▷ PRODUCT DESCRIPTION

**LAC 147** is a specially formulated liquid alkaline cleaner designed for industrial applications for in-process cleaning of ferrous and sensitive aluminum alloys that are prone to staining in alkaline systems. Using the latest available additive technology for improved detergency and wetting, LAC 147 offers exceptional cleaning properties for the removal of most industrial contaminants, particularly smut and fine particulate entrained into the substrates surface. The residual films of LAC 147 can provide corrosion protection for parts in storage.

### ▷ FEATURED BENEFITS

- Extremely low foaming characteristics ideal for high-pressure washers
- Safe on sensitive aluminum alloys such as 5000, 6000 and 7000 series alloys
- Exceptional hard water stability keeps washers clean and maintenance free
- Lean concentrations assure low consumption and cost effectiveness
- High detergency/surfactant package providing added cleaning power beyond alkalinity
- Contains no phosphates, nitrites or silicones
- Contains silicates

### ▷ APPROVALS

- Super-compliant for California SCAQMD Rule 1144

### APPLICATION



#### COMPATIBLE METALS

Aluminum  
Cast Iron  
Carbon Steel  
Tool Steel  
Stainless Steel

#### APPLICATION METHOD

Spray  
Immersion Tank/Agi-Lift

#### OPERATING TEMPERATURE

Ambient to 160°F (71°C)

#### DILUTION RANGE

2 – 15% v/v

#### FOAMING CHARACTERISTICS

Low

#### RUST PROTECTION

Limited Indoor





## TYPICAL PROPERTIES

Fluid Type	Liquid alkaline cleaner
Appearance	Straw colored liquid
Specific Gravity, 60°F (15.6°C)	1.12
Weight, 60°F (15.6°C)	9.3 lbs/gal.
pH (neat)	13.97 typical
Foaming Tendency	None
VOC, ASTM 1868	Nil

## PRODUCT APPLICATION / USAGE

LAC 147 is ideally suited for facilities requiring a high degree of cleanliness on their ferrous and aluminum materials. LAC 147 should always be added to the water in the washer.

Operation	Temperature	Cast Iron, Ferrous Alloys	Aluminum Alloys
Spray washer	140° to 160°F (60° to 71°C)	4 – 6%	5 – 7%
Immersion Tank/Agi-Lift	140° to 160°F (60° to 71°C)	5 – 6%	5 – 7%

## MIXING DATA

Concentration control is easily maintained with a hand held refractometer or Chemtool titration kit.

Concentration	15%	10%	8%	5%	4%	2%
Alkalinity (factor = 0.36)	42	28	22	14	11	5
Titration Test Kit (# drops 0.5 N HCl)						
Refractometer Reading	5.0	3.3	2.7	1.7	1.3	0.7

## PRODUCT CODE

4103000000

## HEALTH AND SAFETY

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