



# Lusterclean ALK 2L

Lusterclean ALK 2L is a heavy-duty alkaline liquid, formulated to provide aggressive rust and oxide removal from cast iron, carbon steel and stainless steel. Lusterclean ALK 2L is extremely effective in removing the most tenacious rust from steel and cast-iron engine blocks.

Removes rust and scale from cast, ductile, and malleable ferrous fabricated metal parts for:

1. Core preparation for remanufacturing of engine blocks, heavy duty equipment, and transmissions
2. Durable goods manufacturing, automotive, military, and aerospace

## Features & Benefits

Broad concentration range	Highly concentrated
Non-fuming	Low odor
Low foaming	Fast acting

## Physical Data

Specific gravity	1.46
Solubility in water	Complete
Appearance and odor	Brown Liquid, No Obvious Odor
pH concentrate	14.0

## Operating Conditions

Rust and scale removal	10% – 50%
Temperature	140°F – 200°F
Equipment	Mild or stainless steel
Heater	Mild or stainless steel



## Titration Method

1. Pipette 2 mL sample of cleaner solution into a 250 mL Erlenmeyer flask.
2. Dilute to 50 mL with water.
3. Add 5 to 10 drops of Methyl Orange indicator.
4. Titrate with 0.5 N Hydrochloric Acid until the solution turns orange.
5. Record mL used.

Calculation

$$\text{Concentration} = \text{mL } 0.5 \text{ N HCl} \times 2.0$$

## Caution

Lusterclean ALK 2L contains sodium and potassium hydroxide and is acutely corrosive to all body tissues. Read and thoroughly understand the SDS before using.

Lusterclean ALK 2L will react corrosively with aluminum and zinc alloys. Reaction with aluminum can be violent and will result in the generation of flammable hydrogen gas.

Flush any exposed areas immediately with copious amounts of clean, cold water. Contact a doctor immediately in case of injury.

## Waste Disposal

Any solution or rinse water should be discharged to a permitted (state and local) wastewater treatment system.

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## Our People. Your Problem Solvers.

For more information on this process,  
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