

# Luster Clean 35

Luster Clean 35 is a mildly alkaline, water soluble, liquid product developed for cleaning all metals (except magnesium) without affecting their luster.

The special blend of detergents in Luster Clean 35 will emulsify and disperse soils such as lard oil, sulfurized and chlorinated oils, general shop oil and certain identification inks present on aluminum alloys.

The other feature of Luster Clean 35 is its ability, when used hot with agitation, or as an ultrasonic cleaner, to remove buffing compounds from aluminum, brass, bronze, steel, stainless steel, and zinc die-castings.

Note: Luster Clean 35 is an excellent pre-soak cleaner. However, it will not clean to a no water-break surface. Thus, Luster Clean 35 would find application where the requirements are such that a no water-break surface is not required. Furthermore, the residual invisible film on the surface of the metal does possess limited corrosion preventative properties. This invisible film is immediately removed in an alkaline soak cleaner such as Cleaner 187B, CB-1, 520A OR 520B.

## Features & Benefits

Fast acting cleaner-parts are cleaned rapidly	Safe to use-mildly alkaline and non-flammable
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## Operating Conditions

Concentration	3% – 10% (vol)
Temperatures	150°F – 200°F (65°C – 93°C)
Time	2 – 10 min
Equipment	Mild steel tank and heating coils
Agitation	Required for removal of buffing or polishing compounds
Ventilation	Not required

### Ultrasonic cleaning

Concentration	3% – 5% (vol) max.
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Temperature range	140°F – 160°F (60°C – 71°C)
Time	30 sec – 1 ½ min

## Titration Method

1. Pour a 100 mL sample of Luster Clean 35 into a 250 mL Erlenmeyer flask. Use 100 mL graduate to dispense solution.
2. Add 1 mL LaMotte Yellow indicator - swirl flask to insure complete mixture.
3. Titrate with 0.5 N HCL or Sulfuric Acid until the solution turns from yellow to pink.
4. Record mL of acid used.

Calculation

$$\text{Concentration Luster Clean 35} = 0.58 \times \text{mL } 0.5 \text{ N HCl Used}$$

## Test Kit Method

1. Fill test bottle 1/2 full of water
2. Using syringe, add 10 mL of Luster Clean 35 solution
3. Add 4 to 8 drops Methyl Orange Indicator.
4. Add 0.72 N Hydrochloric Acid dropwise
5. Record drops of 0.72 N Hydrochloric Acid required to change solution from yellow to orange.

Calculation

$$\text{Luster Clean 35} = 0.46 \times \text{Drops } 0.72 \text{ N Hydrochloric Acid}$$

## Waste Disposal

Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

## Caution

Luster Clean 35 is a mildly alkaline product and should be handled accordingly. Avoid skin and eye contact. Wear protective clothing, goggles, and gloves. Flush exposed areas immediately with clean cold water. Contact a doctor promptly in case of injury.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

## Our people. Your problem solvers.

For more information on this process please call us at

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