

# Lusterclean 38D

Lusterclean 38D is a mildly alkaline, low foam, water soluble, liquid cleaner developed for cleaning ferrous metals, copper, brass alloys, stainless steels, aluminum, nickel coated stock and nickel alloys in either a soak cleaning, agi-dip soak operations, or spiral washer. Lusterclean 38D cleans and brightens most copper alloys.

The special blend of detergents in Lusterclean 38D will emulsify and disperse soils such as lard oil, sulfurized and chlorinated oils, general shop oil and synthetic lubricants.

The other feature of Lusterclean 38D is its ability, when used hot with agitation, or as an ultrasonic cleaner, to remove buffing compounds from aluminum, brass, bronze, steel, and stainless steel.

## Features & Benefits

Tends to emulsify most fabrication lubricants, oils and greases	Very effective at particulate soil removal
May be used in vibratory finishing mills as a cleaner/burnishing compound	Cleans and brightens most copper-based alloys
Fast acting cleaner-parts are cleaned rapidly	Safe to use-mildly alkaline-non-flammable

## Operating Conditions

When used as a cleaner:

Concentration	3 – 10% (vol)
Temperatures	150°F – 200°F (65°C – 93°C)
Time	2 – 10 min
Equipment	Mild steel tank and heating coils
Ventilation	Not required

When used as a mass finishing compound:

Concentration	3 – 5% (vol)
Temperatures	Room
Time	5 – 60 min depending on application
Equipment	Vibratory finishing mills, tube and oblique barrels
Ventilation	Not required

## Test Kit Method

1. Using syringe, measure a 25-mL sample of Lusterclean 38D into the mixing bottle.
2. Add approximately 1 mL Bromocresol Purple- swirl flask to insure complete mixture.
3. Titrate with 0.72 N Hydrochloric Acid until the solution turns from purple to yellow.
4. Record drops of acid used.

Calculation

$$\text{Concentration Lusterclean 38D (\% Vol)} = \# \text{ Drops } 0.72 \text{ N Hydrochloric Acid} \times 0.17$$

## 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

Lusterclean 38D 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.

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## Our people. Your problem solvers.

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