Lusterclean RS

Lusterclean RS is a mildly alkaline, phosphate free, water soluble, liquid product developed for cleaning all metal (except magnesium) without affecting their luster.

The special blend of detergents in Lusterclean RS 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 Lusterclean RS 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: Lusterclean RS is an excellent pre-soak cleaner. However, it will not clean to a no water break-surface. Thus, Lusterclean RS 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 cleaners 187b, cb-1, 520a and 520b.

Features & Benefits

Fast dissolving-dissolves in water at any temperature	Fast acting cleaner-parts are cleaned rapidly
Non- Corrosive and non-fuming	Safe to use- mildly alkaline-non-flammable

Operating Conditions

Concentrations	3% – 10%
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%
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 Lusterclean RS into a 250 mL Erlenmeyer flask, use 100 mL graduate to dispense solution.
2. Add 1 mL LaMotte Yellow indicator. Swirl flask to ensure complete mixture.
3. Titrate with 0.5 N Hydrochloric Acid or Sulfuric acid until the solution turns from yellow to definite pink.
4. Record mL used.

Calculation

Concentration = mL 0.5 N HCl x 0.72

Test Kit Method

1. Fill test bottle 1/2 full of water
2. Using syringe, add 10 mL of Lusterclean RS solution
3. Add 5 to10 drops Methyl Orange Indicator.
4. Add dropwise 0.72 N Hydrochloric Acid until the solution changes from yellow to turbid pink.
5. Record the number of drops used.

Calculation

Concentration = # Drops 0.72 N HCl x 0.42

Waste Disposal

Discharge rinse waters and spent solutions to a permitted disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Lusterclean RS 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.

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