



# Ultrasoak 127

Ultrasoak 127 is a liquid alkaline cleaner formulated to remove buffing compound from brass, bronze, copper, white metals, and lead alloys.

Ultrasoak 127 was developed to clean the above metals when used either as a soak or as an ultrasonic cleaner. Aside from cleaning the buffed metals, Ultrasoak 127 also has a brightening action on the copper, brass and bronze alloys.

Ultrasoak 127 should not be used for cleaning zinc die castings or aluminum alloys.

## Features & Benefits

Concentrated liquid	Effective at lower concentrations
Superior surfactant system	High effective for buffing compound removal
Leave behind corrosion barrier	Temporary anti-tarnish for copper alloys

## Physical Data

Specific gravity	1.05
Solubility in water	Forms soap-based emulsions
Appearance and odor	Dark brown, Mild odor
pH 10% solution	10.0
pH concentrate	11.0

## Operating Conditions

### Soak

Concentration	5% – 8%
Temperature	120°F – 180°F
Agitation	Suggested to aid in compound removal



Ventilation	Suggested
Equipment	Mild Steel tanks and heating coils

### Ultrasonic Cleaner

Concentration	1% – 5%
Temperature	Room – 160°F
Equipment	Any ultrasonic cleaning equipment

## Titration Method

1. Obtain a 50 mL sample and pour into a 500 mL Erlenmeyer flask.
2. Add 250 mL of water.
3. Add 10 drops of Methyl Orange-Xylene Cyanole indicator. Swirl flask to mix.
4. Titrate with 0.5 N Hydrochloric Acid until the solution turns from green to purple.
5. Record mL used.

Calculation

$$\text{Concentration} = \text{mL of } 0.5 \text{ N HCl} \times 0.21$$

## Test Kit Method

1. Fill sample bottle 1/4 full of water.
2. Using a syringe, measure out 5 mL of solution to be tested and add to sample bottle.
3. Add 3 to 4 drops of Methyl Orange-Xylene Cyanole indicator.
4. Add 0.72 N Hydrochloric Acid dropwise to sample bottle until the solution turns from green to purple.
5. Record number of drops used.

Calculation

$$\text{Concentration} = \# \text{ Drops } 0.72 \text{ N HCl} \times 0.17$$

## 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

Ultrasoak 127 is an 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. Consult SDS for details.

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