

# Aquaease™ One-Step

Aquaease One-Step is a heavy-duty liquid cleaner/rust inhibitor designed for single stage, immersion or spray cleaning operation. A mildly alkaline cleaner ideal for removing metal working fluids, oils, and metals fines, Aquaease One-Step is particularly useful where temporary indoors rust protection of up to 10 weeks is needed. Aquaease One-Step will not interfere with most finishing operations.

## Features & Benefits

Effective burnishing compound	Brightens brass while cleaning
Corrosion inhibition/Rust preventative	Leaves a lubricating
Splits oils	Effective for tumble cleaning

## Physical Data

Specific gravity	1.032 @ 70°F
Solubility in water	Complete
Appearance and odor	Clear, yellow solution, slight ammonia odor
pH (conc)	10.3

## Operating Conditions

Immersion tanks, vibratory and ultrasonic units

Concentration	4 – 8 % (vol)
Temperatures	Room – 180°F
Time	1 – 5 min

Spray washer

Concentration	4 – 6% (vol)
Temperatures	140°F – 160°F
Time	30 sec – 3 min

Note: Follow with air blow off, do not rinse if rust inhibition is desired.

## Titration Method

1. Pipette a 25 mL sample into a mL Erlenmeyer flask and dilute with 100 mL of water.
2. Add 5 drops of Bromocresol Green indicator and mix.
3. Titrate with 0.1 N HCl until color change of blue to yellow.
4. Record the number of mL of 0.1 N HCl used.

Calculation

$$\% \text{ (VOLUME) Aquaease One-Step} = 0.179 \times \text{mL } 0.1 \text{ N HCl}$$

## Test Kit Method

1. Using a syringe, place a 5 mL sample into mixing bottle
2. Add approximately 10 mL water
3. Add 5-10 drops Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid dropwise counting the drops until the solution turns pink.

Calculation

$$\%/\text{vol Aquaease One-Step} = \text{DROPS } 0.72 \text{ N Hydrochloric Acid} \times 0.238$$

## Waste Disposal

Dispose in accordance with federal, state, and local regulations.

Non-returnable 55-gallon poly drum – bulk shipments are available.

## Caution

Store at temperature between 30°F to 120°F.

See Material Safety Data Sheet.

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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