



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.



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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.