



Hubpik Version 7

Hubpik Version 7 is a high-strength, liquid concentrate composed of a blend of acid, solvent, surfactants, and chelators designed to accomplish in one step, the cleaning and preparation of a variety of metal surfaces prior to black oxide, phosphate, and chromate conversion coating. It will remove most oils, rust, heat-treat scale, and shop soils efficiently and quickly. It is a good pre-paint conditioner for steel with slow-controlled etching.

Features & Benefits

Highly concentrated	Lower storage footprint
Free rinsing	Allows for short cycle times; Increased productivity
Aggressive yet inhibited	Fast oxide and excessive braze removal without pitting

Operating Conditions

Hubpik Version 7 may be used in concentrations ranging from 5% to 50% by volume in water and temperatures from ambient to 150°F. The concentration, immersion time, and temperature required will depend upon the degree of soil and surface oxidation. A 50% concentration is recommended with heavily rusted surfaces. A 5% concentration is recommended primarily for surface activation. Heating the solution will speed up the reaction and decrease the cleaning time.

Hubpik Version 7 can be contained in tanks made of Stainless Steel, lined steel, Polypropylene, Polyethylene, PVC, or other acid-resistant materials.

Titration Method

1. Pipette 10 mL of Hubpik Version 7 solution into a 250 Erlenmeyer flask.
2. Dilute with 50 mL of water.
3. Add 5 to 10 drops of Phenolphthalein indicator.
4. Titrate to a pink end point with 1.0 N Sodium Hydroxide solution.

Calculation

$$\text{Concentration} = \text{mL } 1.0 \text{ N NaOH} \times 0.65$$

Test Kit Method

1. Fill sample bottle $\frac{1}{4}$ full of water.
2. Dispense $\frac{1}{2}$ mL sample of Hubpik Version 7 solution into the sample bottle.
3. Add 5-10 drops Phenolphthalein indicator.
4. Add 0.72 N Sodium Hydroxide solution dropwise to a pink end point.



5. Record the number of drops used.

Calculation

$$\text{Concentration} = \# \text{ Drops } 0.72 \text{ N NaOH} \times 0.32$$

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

May cause skin irritations. Use only with adequate ventilation. Do not breathe vapor. Avoid contact with skin or eyes. In case of contact, flush skin or eyes with plenty of water. For eyes, get medical attention. Do not take internally.

WARRANTY: HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

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.