



Better Chemistry. **Better Business.**

Hubpik Version 7

Product Code: 2541031
Revised Date: 06/13/2006

Hubpik Version 7 Acid Solvent Cleaner And Etchant

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 blackening, phosphating and chromating. It will remove most oils, rust, heat-treat scale and shop soils efficiently and quickly. It is a good prepaint conditioner for steel with slow-controlled etching.

In contrast to highly alkaline cleaners, it is very free rinsing in water.

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.

TEST KIT PROCEDURE:

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 N-72 Test Kit Solution drop-wise to a pink end point. Count the drops of N-72 used.

$$\% \text{ volume Hubpik Version 7} = 0.32 \times \text{drops of N-72 solution}$$

TITRATION PROCEDURE:

1. Pipette 10 mls of **Hubpik Version 7** solution into a 250 Erlenmeyer flask and dilute with 50 mls of water.
2. Add 5-10 drops of phenolphthalein indicator.
3. Titrate to a pink end point with 1.0N sodium hydroxide solution.

$$\% \text{ volume Hubpik Version 7} = 0.65 \times \text{mls 1.0N sodium hydroxide}$$



Product Bulletin

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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

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.