



Product Bulletin

Better Chemistry. **Better Business.**

Ahcophos 10

Product Code: 2201013
Revised Date: 03/15/2006

Ahcophos 10

Ahcophos 10 is a liquid acidic cleaner-conditioner for ferrous metals, aluminum alloys, zinc coated steel, zinc die castings, copper, brass alloys and stainless steel alloys.

Ahcophos 10 has been formulated to remove light oils, rust, heat scale, weld scale, white rust, flux residues, oxides and tarnishes.

The **Ahcophos 10** solution can also serve as a conditioner by converting the metal's surface into a metal-phosphate during the cleaning operation. Ferrous metals, aluminum alloys and zinc surfaces are the metal surfaces that can be converted into a metal-phosphate, which serves as a paint base.

OPERATING CONDITIONS

Concentrations:	2 to 40% (volume)
Temperature:	75 to 170f (24 - 77c)
Time:	as required
Equipment:	stainless steel, polypropylene, polyethylene, fiberglass or rubber lined tanks.
Heaters:	stainless steel or nickel plated steel piping.

HAND WIPING APPLICATION

1. Wipe surface with 1 to 3% (volume) solution of ahcophos 10 at room temperature.
2. Let dry for 1 to 2 minutes.
3. Wipe with cloth.

For hand applications, operator **MUST WEAR RUBBER OR VINYL GLOVES, GOGGLES AND PROTECTIVE CLOTHING.**

CONTROL PROCEDURE

TITRATION METHOD

1. Pipette a 10 ml sample of **Ahcophos 10** solution into a 250 ml erlenmeyer flask and dilute with 50 ml of water.
2. Add 3 to 5 drops of phenolphthalein.
3. Titrate to pink end point with 1.0 n sodium hydroxide solution.
4. Record mls 1.0 n sodium hydroxide used.



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% (volume) Ahcophos 10 = 0.59 X MLS 1.0 N Sodium Hydroxide Used.

TEST KIT CONTROL PROCEDURE

Use 1/2 ml sample and fill bottle 1/4 full of water, 2 to 3 drops of indicator. Add n-72 solution dropwise until solution turns yellow.

% (volume) Ahcophos 10 = 0.87 X Drops N-72 Solution.

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

Ahcophos 10 is a mildly acidic product. Wear protective clothing, gloves and goggles when handling this product. Flush exposed areas immediately with clean cold water. For eyes, flush repeatedly with water and call a physician.

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.