



## CAL 812

A new conception of a dry acid with high soil load tolerances. **CAL 812** can be used as the activating solution prior to plating on ferrous metals without cause of hydrogen embrittlement because of its milder activity on metals, and also excellent on brass, copper and zinc die cast.

**Cal 812** is economical and easy to store; no carboys or returnable drums to worry about, plus being safer on personnel to use.

**Cal 812** maintains solutions strength for a longer period of time thus less additions are required to keep pH of acid.

**Cal 812** is also used as a scale and rust remover, a strip for chrome, a brightener from copper and brass, a solder flux remover, and a sour dip.

Baths of **Cal 812** can be maintained by simple titration methods.

### Directions for use:

**Rust Removal:** **Cal 812** - 1 to 2 lbs. Per gallon water at 130° to 150° F., with time as required.

**Steel Prior to plating:** **Cal 812** at 12 to 16 ounces per gallon of water at room temperatures immersing from 15 – 90 seconds.

**Cast Iron Prior to plating:** **Cal 812** at 1 ½ to 2 lbs. Per gallon at 100° to 120° F., from 15 - 30 seconds dip.

**Copper Plate prior to Nickel plating:** 8 ounces to 1lb. Per gallon water at room temperature immersing from 10 – 30 seconds.

**Stripping Chrome Plate:** **Cal 812** at 2 lbs. Per gallon water at 130° to 150° F., time as required to thickness of chrome.

Same precautions should be used as for all picking acids. Use gloves, glasses and aprons for protection.