



# PICKLE PAL®

*Non-Hazardous Inhibitor for Hydrochloric Acid  
and Sulfuric Acid Pickle Baths*

**Extended pre-treatment product line**

## **PICKLE PAL® PLUS**

Provides all the benefits of Pickle Pal, with an added cleaning aid that disperses oils dragged into the pickle tank. Produces a thin foam layer which reduces fumes and spray.

## **COLCLEAN™ DESCALER**

Economical, easy-to-use, over-the-side additive for existing cleaners that accelerates descaling, degreasing, rust removal and smut removal. Contains no phosphates or chelators.

## **COLCLEAN line of products**

Full line of pretreatment chemistries, including industrial strength emulsification/split-out soak cleaners and electro-cleaners. All cleaner technologies can be formulated as a powder or liquid.

WITH  
PICKLE  
PAL

WITHOUT  
PICKLE  
PAL

### **Bright, Clean Plating**

Inhibits the attack of acid on the steel substrate, resulting in bright, clean parts, maximizing subsequent plating quality and extending the pickle bath life.

### **No Smut or Foam**

Eliminates smut formation with high-carbon, heat-treated or carbo-nitrided steel.

### **No Etching**

Prevents etching of parts from over-pickling.

### **No Scale**

Improves pickle's ability to remove scale.

**330-225-3200**  
[www.columbiachemical.com](http://www.columbiachemical.com)

