



COLCLEAN SOAK 1213

TECHNICAL DATA
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COLCLEAN SOAK 1213 ALKALINE SOAK CLEANER

COLCLEAN SOAK 1213	is a mild, non-silicated soak cleaner for use on all base metals.
COLCLEAN SOAK 1213	is extremely effective on stated drawing compounds and water-soluble oils.
COLCLEAN SOAK 1213	is designed for removing buffing compounds from aluminum, copper, brass and steel.
COLCLEAN SOAK 1213	has wetting system designed for high soil capacity and long life.
COLCLEAN SOAK 1213	can be used with ultra-sonics.

OPERATING PARAMETERS

Concentration:	<i>Steel</i>	10 - 12 opg (75 - 90 g/l)
	<i>Copper Alloys</i>	8 - 10 opg (60 - 75 g/l)
	<i>Aluminum</i>	6 - 8 opg (45 - 60 g/l)
Temperature:		130 - 190° F (54 - 88° C)
Time of Immersion:		As needed 1 - 10 minutes

Adjust these conditions to provide optimum results.

ANALYTICAL PROCEDURE

1. Pipette a 25 mL sample of the COLCLEAN SOAK 1213 solution and transfer to a titrating flask.
2. Add 1 mL phenolphthalein indicator.
3. Titrate with 1N HCl from pink to a colorless endpoint.
4. Number of mLs of 1N HCl required X 2.4 = ounce/gallon concentration of the COLCLEAN SOAK 1213. (opg X 7.5 = g/L)

HANDLING & STORAGE

Columbia Chemical recommends referring to the specific product Safety Data Sheets for safety, handling, and storage precautions.

NON-WARRANTY

The data contained in this bulletin is believed by Columbia Chemical Corp. to be accurate, true, and complete. Since, however, final methods of use of this product are in the hands of the customer and beyond our control, we cannot guarantee that the customer will obtain the results described in this bulletin, nor can we assume responsibility of the use of this product by the customer in any process which may infringe the patents of third parties.

