



1000 Western Drive
 Brunswick, OH 44212
 PHONE: 330/225-3200
 FAX: 330/225-1499
 www.columbiachemical.com

COLCLEAN SOAK 1230

TECHNICAL DATA
 07-05-20

COLCLEAN SOAK 1230 ALKALINE SOAK CLEANER

COLCLEAN SOAK 1230	is a highly phosphate, non-silicated soak cleaner for use on all base metals.
COLCLEAN SOAK 1230	is extremely effective on stated drawing compounds and water-soluble oils.
COLCLEAN SOAK 1230	is a free-flowing powdered product that is applicable in water hardness up to 30 grains.
COLCLEAN SOAK 1230	has a tendency to micro-etch steel, undercutting tenacious soil films.
COLCLEAN SOAK 1230	is formulated with synthetic surfactants which are biodegradable.

OPERATING PARAMETERS

Concentration	<i>Steel</i>	8 – 10 opg (60 - 75 g/l)
	<i>Copper Alloys</i>	5 – 8 opg (37.5- 60 g/l)
	<i>Aluminum</i>	3 – 6 opg (22.5- 45 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 10 ml sample of the COLCLEAN SOAK 1230 solution and transfer to a titrating flask.
2. Add 5 drops phenolphthalein indicator.
3. Titrate with 1 N HCl from pink to a colorless endpoint.

4. Number of mLs of 1 N HCl required x 1.04 = ounce/gallon concentration of the COLCLEAN SOAK 1230. (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.

