



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

COLCLEAN SOAK 250

HEAVY DUTY ALKALINE SOAK CLEANER TECHNICAL DATA

7-01-08

COLCLEAN SOAK 250

DESCRIPTION & PROPERTIES

A heavy duty cleaning compound formulated for the removal of metal working soils from ferrous metal surfaces in soak operations. Colclean Soak 250 is not recommended for cleaning of non ferrous surfaces such as aluminum or zinc metals. Colclean Soak 250 does not contain phosphates or chelators.

Colclean Soak 250 is an alkaline product with excellent cleaning action and longevity. It can be employed for the effective removal of processing oils, smuts, shop dirt, and drawing compounds prior to subsequent finishing operations. This product is designed to float these contaminants to the surface of the work solution so they can be skimmed off.

OPERATING CONDITIONS

Concentration:	8 to 10 opg (60 to 70 g/l)
Temperature:	175° to 185° F (79° to 84° C)
Time of Immersion:	5 - 10 minutes

Adjust these conditions to provide optimum results.

CONTROL PROCEDURE

1. Pipette a 10 ml sample of the Colclean Soak 250 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 0.734 = ounce/gallon concentration of the Colclean Soak 250.
(opg x 7.5 = g/l)

HANDLING & SAFETY PRECAUTIONS

Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. If swallowed, do not induce vomiting. Wear chemical splash goggles and face shield, rubber gloves, rubber apron and boots, and impervious clothing when handling this product and its solutions. An eye/face fountain and deluge safety shower should be available in the work area. Wash thoroughly after handling.

In case of contact, immediately flush with large amounts of water for at least 15 minutes. Get immediate medical attention. Remove contaminated clothing and wash before reuse. Do not take internally. If ingested and conscious, give large amounts of water to drink. Do not induce vomiting. Get immediate medical attention.

Keep container closed when not in use. Store in a cool, dry area away from incompatible materials. When making up or adjusting solutions, always add slowly and cautiously, with constant agitation, over the surface of cool water to prevent spattering. **Read the Material Safety Data Sheet before using this product. For industrial use only.**

NON-WARRANTY

The data 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 assure any responsibility of the use of this product by the customer in any process which may infringe the patents of third parties.

