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COLCLEAN SOAK 211L MC

TECHNICAL DATA
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COLCLEAN SOAK 211L MC LIQUID SOAK CLEANER ADDITIVE SYSTEM

COLCLEAN SOAK 211L MC	is a concentrated liquid builder-surfactant composition designed for use as an additive to liquid caustic soda to form a complete and ready to use cleaning system
COLCLEAN SOAK 211L MC	provides excellent detergency to remove processing oils and drawing compounds from steel surfaces.
COLCLEAN SOAK 211L MC	is easy to pump which results in no dusting or caking like powdered cleaners.
COLCLEAN SOAK 211L MC	uses low heat of solution when dissolving providing less chance of boil over when making additions.

OPERATING PARAMETERS

COLCLEAN SOAK 211L MC:	4 to 7% by volume
50% Liquid Caustic:	4 to 7% by volume
Ratio of COLCLEAN SOAK 211L MC to 50% Liquid Caustic:	1:1
Temperature:	160° to 190° F
Time:	5 to 10 minutes or as required

SOLUTION MAKEUP

1. Charge 3/4 of the water in the tank.
2. Add the COLCLEAN SOAK 211L MC and mix.
3. Add liquid caustic slowly with constant agitation to prevent eruption.
4. While still agitating, adjust to final volume with water.
5. Heat the solution to operating temperature.

ANALYTICAL PROCEDURE

1. Obtain a sample of the COLCLEAN SOAK 211L MC working solution in a clean container.
2. Pipette a 10 ml aliquot and transfer to a titrating flask.
3. Add 4 to 5 drops phenolphthalein indicator.
4. Titrate with 1 N HCl from red to a colorless endpoint. Add a few more drops of indicator solution. If the solution turns pink, add two more drops of 1 N HCl. Repeat until the solution remains colorless when the phenolphthalein indicator is added.
5. Record the number of mLs required.

$\text{mLs } 1 \text{ N HCl} \times 0.58 = \% \text{ by volume concentration of the } 50\% \text{ Liquid Caustic.}$

Add 1 gallon of COLCLEAN SOAK 211L MC for every 1 gallon of 50% Liquid Caustic added.

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.