



COLCLEAN ELECTRO 420

HEAVY DUTY ALKALINE ELECTROCLEANER

7-01-08

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COLCLEAN ELECTRO 420

DESCRIPTION & PROPERTIES

Colclean Electro 420 is a granular electrolytic cleaner for ferrous metals providing excellent longevity, conductivity, and soil removing properties.

Colclean Electro 420 is recommended for the removal of smuts, processing oils, drawing compounds, and shop dirt. It is non chelated and provides a controlled foaming action when in use. This product contains phosphates.

OPERATING CONDITIONS

Concentration:	8 - 10 opg (60 - 75 g/l)
Temperature:	180° - 190° F (82° - 86° C)
Time:	1 - 3 minutes or as required
Work Current:	Anodic
Current Density:	50 - 150 ASF

Adjust these conditions to provide optimum cleaning.

CONTROL PROCEDURE

1. Pipette a 10ml sample of the Colclean Electro 420 working 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 0.727 = ounce/gallon concentration of the Colclean Electro 420 work solution.
(opg x 7.5 = g/l)

HANDLING & SAFETY PRECAUTIONS

Since Colclean Electro 420 is an alkaline product, skin and eye contact should be avoided. Working personnel should wear proper long sleeved protective clothing, chemical splash goggles, rubber apron, and rubber boots when handling or making up solutions.

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

Always add slowly and cautiously, with constant agitation, to cool water when preparing or adjusting cleaning solutions.

Store in a cool, dry area away from incompatible material. Keep container closed when not in use.
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.