



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

## COLCLEAN SE 237

TECHNICAL DATA  
12-29-2021

### COLCLEAN SE 237 *ELECTROCLEANER*

COLCLEAN SE 237	is a medium alkaline compound that can be used as a soak and an electrocleaner. It is a free-flowing, granular, dustless powder.
COLCLEAN SE 237	is an excellent choice where single tank cleaning of steel, copper, brass and zinc base die casting is needed.
COLCLEAN SE 237	is buffered, free-rinsing and contains a surfactant system designed for the removal of many different soils.
COLCLEAN SE 237	has a high soil capacity and long solution life.

### OPERATING PARAMETERS

#### MAKEUP FOR USE ON STEEL:

Concentration:	7 - 8 ounces per gallon
Temperature:	160 - 190° F
Time:	1 - 3 minutes or as required
Work Current:	Anodic
Current Density:	50 - 100 ASF

#### MAKEUP FOR USE ON ZINC DIE CASTING:

Concentration:	4 - 5 ounces per gallon
Temperature:	120 - 140° F
Time:	5 - 15 seconds
Work Current:	Anodic
Current Density:	10 - 25 ASF

**MAKEUP FOR USE ON CUPROUS ALLOYS:***FOR DIRECT ELECTRO CLEANING USE*

Concentration:	5 - 6 ounces per gallon
Temperature:	Up to 180° F
Time:	30 seconds - 2 minutes
Work Current:	Anodic
Current Density:	10 - 25 ASF

*FOR REVERSE ELECTRO CLEANING USE*

Concentration:	5 - 6 ounces per gallon
Temperature:	140 - 160° F
Time:	5 - 15 seconds
Work Current:	Cathodic
Current Density:	10 - 30 ASF

NOTE: Dissolve COLCLEAN SE 237 in water at 150° F. Mild steel equipment is satisfactory.

***ANALYTICAL PROCEDURE***

1. Pipette a 10 mL sample of the COLCLEAN SE 237 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 1.02 = ounce/gallon concentration of COLCLEAN SE 237.

CALCULATION: (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.