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COLCLEAN SE 237

ELECTRO CLEANER
TECHNICAL DATA
3/7/19

DESCRIPTION & PROPERTIES

COLCLEAN SE 237 is a medium alkaline compound that can be used as an all-purpose cleaner. 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. It is buffered, free-rinsing and contains a surfactant system designed for the removal of many different soils.

ADVANTAGES

COLCLEAN SE 237 has a high soil capacity and long solution life.

COLCLEAN SE 237 can be used as a soak and an electrocleaner.

OPERATING CONDITIONS

Makeup for use on Steel:

Concentration:	7 to 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 to 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 to 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 to 6 ounces per gallon
Temperature:	140° - 160° F
Time:	5 -15 seconds
Work Current:	Cathodic
Current Density:	10 - 30 ASF

NOTE:

Dissolve T-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 the COLCLEAN SE 237.
(opg x 7.5 = g/l)

HANDLING & SAFETY PRECAUTIONS

Since COLCLEAN SE 237 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. An eye/face fountain and deluge safety shower should be available in the work area.

Always add slowly and cautiously to avoid spattering. In case of accidental contact, flush immediately with plenty of water for at least 15 minutes. Seek immediate medical attention.

Store in a cool, dry area away from incompatible materials. Keep the container closed when not in use.
Read the MSDS before using this product. For industrial use only.

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