



PRODUCT INFORMATION

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EMERGENCY - MARTRON 704-289-1934
CHEMTREC 800-424-9300

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MARTRON ECM-117L ELECTROLYTIC CLEANER FOR STEEL

Martron ECM-117L is an alkaline, heavy duty, electrolytic cleaning compound with chelating action which rapidly removes smut, light surface rust, finger prints, and a variety of soils from steel. **Martron ECM-117L** is a high detergency product, therefore, produces a clean bright and soil free surface. **Martron ECM-117L** has low foaming action, producing a compact foam blanket minimizing caustic spray and hydrogen explosions. **Martron ECM-117L** has been formulated primarily for use on ferrous base metals. However, at lower temperatures, concentrations and current densities, it can be used to clean copper, brass, and other copper base alloys.

SECTION 1: FEATURES

Martron ECM-117L is liquid and easy to make up and use.

Martron ECM-117L removes all surface contaminants from processed parts. This eliminates drag-in of contaminants to plating baths, thereby reducing the need for frequent bath skimming.

Martron ECM-117L has excellent soil holding capability. This results in longer solution life and less down time.

Martron ECM-117L is a multi-purpose product. It can be used on a variety of base metals as both an anodic and cathodic electro cleaner as well as a light duty soak cleaner.

SECTION 2: OPERATING PARAMETERS

	<u>RANGE</u>
Concentration	2 - 20 %/vol.
Temperature	Room temperature - 180°F
Current	Reverse, direct, P.R.
Current Density	40 - 70 amps./sq.ft.

SECTION 3: SOLUTION MAKE UP

The cleaning bath is easily prepared by filling the cleaning tank to approximately half of its operating volume with water and slowly adding, with stirring, the appropriate amount of **Martron ECM-117L**. The tank is then heated to the desired operating volume.

SECTION 4: CONTROL

1. Add 1mL of solution to be tested to approximately 25mL water.
2. Add 4 drops of INDICATOR M. SOLUTION – should be a pink color.
3. Using 1N SULFURIC ACID test solution. Add 1 drop at a time (COUNT THE DROPS) until solution turns clear water white.

CALCULATION:

Multiply the number of drops X 1.42 = %/vol. **Martron ECM-117L.**

SECTION 5: CAUTION

Martron ECM-117L contains alkaline ingredients. Contact of it or its solution with skin or eyes could cause severe burn. Protective clothing, gloves, glasses, etc. should be worn. In case of contact, flush with plenty of water and seek medical attention.

SECTION 6: DISCLAIMER

The information contained herein is based on data developed through laboratory and production experience and is believed to be correct. However, **Martron Inc.** makes no warranty, expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. **Martron Inc.** assumes no responsibility for injury from the use of the product described herein.