

---

# Miracleclean EC-140

Liquid Electrocleaner  
*Technical Data*

---

## GENERAL DESCRIPTION

**Miracleclean EC-140** is a highly alkaline liquid soak and electrocleaner for ferrous metals. **Miracleclean EC-140** has been formulated to be highly conductive, free rinsing, and low foaming.

**Miracleclean EC-140** will also keep plating barrels and other equipment clean and free of oils.

**Miracleclean EC-140** can also be used as a spray cleaner.

## NORMAL USE

Concentration	5 – 25 % by volume for electrocleaning 2 – 4 % by volume for spray cleaning
Temperature	140 – 180° F (60 - 82° C)
Voltage	6 – 9 volts
Current	50 – 100 amps per ft <sup>2</sup>
Equipment	Mild Steel

## SOLUTION MAKE-UP

1. Fill tank  $\frac{2}{3}$  full with cold or warm water.
2. Slowly add required amount of **Miracleclean EC-140** with mild agitation.
3. Add water to operating level and heat to temperature.

## ADVANTAGES

1. Low Foaming.
2. Non-Silicated.
3. Long bath life.
4. Spray cleaner.
5. High level of conductivity.
6. Liquid product can be used with automatic feed.
7. Instant solubility.
8. Easy to handle.

## NORMAL CONTROL

**Analytical Method** (Equipment available from Chautauqua Chemicals Co.)

1. Pipette a 10 mL sample into a 250 mL Erlenmeyer flask.
2. Add 50 mL of distilled water.
3. Add 3 to 5 drops of phenolphthalein indicator.
4. Titrate with 1.0N hydrochloric acid until pink color disappears.
5. Calculation: Percent Concentration of **Miracleclean EC-140** = mLs of 1.0N HCl x 1.26

## HANDLING AND SAFETY CONSIDERATIONS

Consult MSDS sheet on this product for handling considerations, hazard information, and first aid procedures.

## OTHER INFORMATION

*No warranty, expressed or implied of merchantability fitness for a particular purpose or otherwise, is made. Buyer assumes all risk of use, storage and handling. Chautauqua Chemicals Company, Inc. shall not be made liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, storage, handling or disposal of this product.*

TDS Number:  
Revision Date:

50643C  
July 22, 2014

