

SC100 Heavy-Duty Cleaner

DESCRIPTION

SC100 is a mildly alkaline granular compound, designed for heavy-duty soak or ultrasonic cleaning. **SC100** soaks away oils, grease, dirt, mill markings, buffing compounds and even finger prints in your immersion tank. **SC100** is safe on aluminum, steel, stainless steel, nickel, zinc die castings, copper alloys and plastics. The economical powder quickly goes into solution to provide a long-lived solution for use at moderate temperatures. **SC100** will put a protective film on metal surface to protect it from corrosion and is easily removed by rinsing.

OPERATING PARAMETERS

Concentration	8 to 12 oz./gal.
Temperature	130 to 180°F 130 to 150°F (Aluminum, Zinc Die Castings)
Time	5 to 30 minutes
Agitation	Air, Mechanical, or none
pH	9.0-10.0 (solution)

EQUIPMENT

Processing tanks, piping, pumps, and heat transfer surfaces constructed of mild steel will provide satisfactory service life.

PHYSICAL PROPERTIES

Appearance	Powder
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CONTROL PROCEDURES

MAKE-UP PROCEDURE

1. Fill the tank to 2/3 of the final volume with clean water.
2. Add the required amount of **SC100** slowly, using sufficient agitation to dissolve the material.
3. Add water to increase the volume to the operating level and heat the solution to operating temperature.

ANALYSIS

SC100 Titration

Material Required:

- 10 mL pipet
- 125 mL titration flask
- Automatic titrating burette assembly
- Indicator Methyl Orange



1. Pipet a 10 ml sample of solution from **SC100** tank.
2. Transfer solution to a titration flask and add 50 mL of DI water.
3. Add 3 - 4 drops of Methyl Orange Indicator. (Solution will turn orange)
4. Slowly titrate with 0.1 N Acid from the burette until the solution turns red.
5. Calculation:

SC100 Concentration (oz/gal) = (mLs of 0.1N Acid) x 1.74

pH TEST

1. The pH test shall be taken by immersing a strip of pH test paper into the **SC100** tank solution. The pH test paper shall be compared to the pH scale provided with the pH container.

*** Alternately, a calibrated pH meter can be used.

Maintain the pH between 9.0 and 10.0. Additions of **SC100** will increase the pH. Additions of water will decrease the pH.

SAFETY AND STORAGE

Use appropriate PPE when handling **SC100** including gloves, eye protection, apron, etc. Store at room temperature in a dry location.

WASTE TREATMENT

Contact your FCT Water representative for waste treatment recommendations.

MISCELLANEOUS

Available in 50 lb containers.