



PRODUCT INFORMATION

MARTRON INC.® PO BOX 309; MONROE, NC 28111 PH: (704) 289-1934; FAX: (704) 283-7400

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

REF. # MFC-000046

MARTRON SCA-600

Martron SCA-600 is an alkaline soak cleaner for steel, especially effective in removing oils and other difficult-to-remove soils and oily soils. A blend of dispersant and deflocculants in addition to alkalis and detergents provides **Martron SCA-600** with its unusual oil removing properties and excellent rinsability.

Although **Martron SCA-600** is designed primarily for use on ferrous metals, it can be used to clean copper and copper alloys. It is effective for both barrel and rack cleaning steel parts.

SECTION 1: HOW TO USE MARTRON SCA-600

OPERATING CONDITIONS

Concentration	6 - 12 oz./gal. (45 - 90 g/liter)
Temperature	160°F - 190°F (71°C - 88°C)
Time	1 - 5 minutes

MAKE-UP

Fill a steel tank approximately two-thirds full of warm water (120-130°F; 49-54°C). Slowly add the **Martron SCA-600** needed, while stirring until all the material is dissolved. Fill the tank to final volume and heat to operating temperature.

OPERATIONS

Soak the work in the **Martron SCA-600** solution until all the soil is removed. The higher the temperature, the faster cleaning action. Mild agitation of the work generally speeds up the cleaning action. The fresh cleaning solution should be made up at 8 oz./gal. (60 g/liter) and maintained at 8 to 10 oz./gal. (60 to 75 g/liter); for heavy accumulations of oils and oily soils, the concentration can be increased to 12 oz./gal. (90 g/liter).

EQUIPMENT

Martron SCA-600 solutions may be contained in plain steel tanks and heated with steel steam coils. Exhaust ventilation is not required except to remove steam generated by operating at elevated temperatures.

CONTROL

Pipette a 10-ml sample into a flask.

Add 100 ml distilled water.

Add 5 drops methyl orange indicator.

Titrate solution to a red endpoint using 1.0 N Acid.

Calculation:

M1 1.0N Acid x 0.82 = oz/gal SC-A 600

M1 1.0N x 6.15 = g/l SC-A 600

Using a Cleaner Test Kit:

Number of drops of 1.0N Acid x 0.68 = oz/gal

Number of drops of 1.0N Acid x 5.1 = g/l

SECTION 2: WASTE TREATMENT

Martron SCA-600 is an alkaline material and its solution may be neutralized with any of the conventional mineral acids. It is recommended that spent **Martron SCA-600** solutions be mixed with effluent from acid solutions to gain advantage of mutual adjustment of pH and minimize any pH adjustment of final effluent.

Martron SCA-600 is biodegradable and, therefore, offers no problem in this respect in treatment of waste effluent.

CAUTION: Martron SCA-600 powder and solutions are strongly alkaline and may cause severe burns. Contact of the powder or solution with the skin or eyes should be avoided. In case of contact, flush the skin or eyes with cool water for 15 minutes. For eyes, also get immediate medical attention.

When adding **Martron SCA-600** to a solution, allow the solution to cool below 140°F. (60°C). Add the salts slowly with stirring to avoid violent spattering or eruption.

Our recommendations are made in good faith and are based on our skill and experience. However, since the conditions of use of these products are beyond our control, this information is given on the express condition and agreement that **Martron Inc.**, will not be liable to any person by reason thereof. Nothing herein shall be deemed to be a recommendation to use any product in violation of any existing patent rights.