

# MC Gun Cleaner

Process Detergent

*Technical Data*

## GENERAL DESCRIPTION

**MC Gun Cleaner** is a heavy-duty degreaser for use in soak and ultrasonic wash systems. It is safe on ferrous and nonferrous metals including aluminum.

## NORMAL USE

This product is diluted with water before usage. Determine the proper ratio based on the volume of the tank.

For light to medium-duty soil removal, mix **MC Gun Cleaner** at 5% with water.

For heavy-duty soil removal, mix **MC Gun Cleaner** at 10% with water.

Operation temperatures are 120° to 180° F.

## ADVANTAGES

1. Water based cleaner.
2. Biodegradable.
3. Excellent general purpose product, useful over a wide range of applications and operating conditions.
4. Excellent rinsability.

## NORMAL CONTROL

**Dropping Bottle Method** (Test Kit available from Chautauqua Chemicals Co. – Part No. 4195)

1. Take a sample of **MC Gun Cleaner** solution from the bath with a beaker and allow to cool to room temperature.
2. Measure out 5 mL using the graduated sample bottle provided in the test kit.
3. Add 3 drops phenolphthalein indicator.
4. Add dropwise 0.12N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding the drops when color changes from pink to colorless.
6. Calculation: Percent Concentration of **MC Gun Cleaner** = Drops of 0.12N H<sub>2</sub>SO<sub>4</sub> x 0.45

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

1. Pipette a 1 mL sample into a 250 mL beaker and allow to cool to room temperature.
2. Add 100 mL of distilled water.
3. Add 5 drops of Bromocresol Green-Methyl Red indicator.
4. Titrate with 0.1N hydrochloric acid until pH reaches 4.5 (color changes from blue-green to purple-grey).

5. Calculation: Percent Concentration of **MC Gun Cleaner** = mLs of 0.1N HCl x 12.234

## HANDLING AND SAFETY CONSIDERATIONS

Consult product safety data sheet for handling considerations, hazard information, and first aid procedures.

## OTHER INFORMATION

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