

MC 454

Acid Cleaner
Technical Data

GENERAL DESCRIPTION

MC 454 is an acid cleaner for use in soak and ultrasonic wash systems. It will remove soils and light oxides from steel, zinc, aluminum and brass. It is safe on ferrous and nonferrous metals including aluminum.

NORMAL USE

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

For light soil removal, mix **MC 454** at 1 to 30 with water.

For heavy-duty soil removal, mix **MC 454** at 1 to 10 with water.

Operation temperatures are 130° to 170° F.

ADVANTAGES

1. Water based cleaner.
2. Biodegradable.
3. General purpose product, useful over a wide range of applications.
4. Brightens brass and aluminum.
5. Excellent rinsability.

NORMAL CONTROL

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Take a sample of the **MC 454** solution from the bath with a beaker and allow to cool to room temperature.
2. Measure out 10 mL using a graduated cylinder.
3. Add 3 to 5 drops of phenolphthalein indicator.
4. Add dropwise 1.0N sodium hydroxide solution while counting the drops and swirling the solution.
5. Stop adding drops when color changes to a dark pink color.
6. Calculation: Percent Concentration of **MC 454** = drops of 1.0N NaOH x 0.357

HANDLING AND SAFETY CONSIDERATIONS

Consult product Safety Data Sheet 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.

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