

MC 301

Process Detergent
Technical Data

GENERAL DESCRIPTION

MC 301 is a heavy-duty degreaser for use in vibratory, centrifugal, and soak wash systems. It is safe for use on most ferrous metals.

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 301** at 1% to 2% with water.

For heavy-duty soil removal, mix **MC 301** at 3% to 5% with water.

Operating temperatures are 110° to 160° F.

ADVANTAGES

1. Water based cleaner.
2. Biodegradable.
3. Useful over a wide range of applications and operating conditions.
4. In-process corrosion protection.
5. Excellent rinsability.

NORMAL CONTROL

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

1. Take a sample of the **MC 301** 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 the 2 drops of phenolphthalein indicator and mix.
4. Add dropwise 0.12N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding drops when color changes to an orange-pink color.
6. Calculation: Percent Concentration of **MC 301** = Drops of 0.12N H₂SO₄ x 0.26

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Pipette a 10 mL sample into a 100 mL Erlenmeyer flask.
2. Add 2 drops of phenolphthalein indicator and mix.
3. Titrate with 0.10N sulfuric acid until solution changes from pink to colorless.
4. Calculation: Percent Concentration of **MC 301** = mLs of 0.10N H₂SO₄ x 2.30

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.

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