

MC 1250 LF

Process Detergent
Technical Data

GENERAL DESCRIPTION

MC 1250 LF is a near-neutral degreaser for use in spray wash systems. It is safe on ferrous and nonferrous metals including aluminum. **MC 1250 LF** will provide short-term corrosion protection.

NORMAL USE

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

For light-duty soil removal, mix **MC 1250 LF** at 3% to 5% with water.

For heavy-duty soil removal, mix **MC 1250 LF** at 5% to 10% with water.

Operating temperatures are 130° to 180° F.

ADVANTAGES

1. Water based cleaner
2. Biodegradable
3. Useful over a wide range of applications and operating conditions.
4. Short-term 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 1250 LF** 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 1250 LF** = Drops of 0.12N H₂SO₄ x 0.105

Hach® Alkalinity Test Kit Method (Model AL-TA, available from Chautauqua Chemicals Co.)

1. Take a sample of the **MC 1250 LF** solution from the bath with a beaker and allow to cool to room temperature.
2. Measure out 10 mL using the graduated sample bottle provided in the test kit.
3. Add the Bromcresol Green-Methyl Red Indicator Powder Pillow to produce a blue-green solution.
4. Add dropwise 0.50N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding the drops when color changes to an orange-pink color.
6. Calculation: Percent Concentration of **MC 1250 LF** = Drops of 0.50N H₂SO₄ x 0.429

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Pipette 10 mL sample into a 250 mL Erlenmeyer flask and allow to cool to room temperature.
2. Add 100 mL of distilled water.
3. Add 10 drops of bromcresol green-methyl red indicator.
4. Titrate with 0.50N sulfuric acid until color changes from green to red.
5. Calculation: Percent Concentration of **MC 1250 LF** = mLs of 0.50N H₂SO₄ x 1.38

Refractometer (Available from Chautauqua Chemicals Co.)

Calculation: Percent Concentration of **MC 1250 LF** = Refractometer Reading x 2.5

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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