

MC 327

Acid Descaler
Technical Data

GENERAL DESCRIPTION

MC 327 is an acid cleaner for use in immersion and ultrasonic wash systems. It is used for the oxide removal from steel, copper, and brass.

MC 327 can also be used to passivate 300 series stainless steel alloys.

NORMAL USE

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

For light to medium oxide removal, mix **MC 327** at 3% to 5% with water.

For heavy-duty oxide removal, mix **MC 327** at 10% to 15% with water.

For passivation, mix **MC 327** at 12% to 30% with water.

Operation temperatures are 110° to 160° F.

ADVANTAGES

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

NORMAL CONTROL

Dropping Bottle Method (Test Kit available from Chautauqua Chemicals Co. – Part No. 3647)

1. Take a sample of the **MC 327** 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 of phenolphthalein indicator.
4. Add dropwise 2.4N sodium hydroxide while counting the drops and swirling the solution.
5. Stop adding the drops when color changes from colorless to pink.
6. Calculation: Percent Concentration of **MC 327** = Drops of 2.4N NaOH x 0.3125

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Pipette a 10m L sample into a 250 mL Erlenmeyer flask.
2. Add 25 mL of distilled water.
3. Add 5 drops of phenolphthalein indicator.
4. Titrate with 0.50N Sodium Hydroxide until pink color.
5. Calculation: Percent Concentration of **MC 327** = mLs of 0.50N NaOH x 0.77

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.

TDS Number:
Revision Date:

50598C
July 23, 2014

