

QC 1030C Inhibitor

Corrosion Inhibitor

Technical Data

GENERAL DESCRIPTION

QC 1030C Inhibitor is a low foaming, water soluble, corrosion inhibitor that is designed for use on steel and iron in various metalworking applications. **QC 1030C Inhibitor** provides humidity cabinet protection. The performance properties of **QC 1030C Inhibitor** are not affected by water hardness, and aqueous films dry down to non-tacky residues.

NORMAL USE

QC 1030C Inhibitor can be used in final water rinses to provide corrosion protection. This product can be used at ambient or elevated temperatures up to 170° F to facilitate drying of parts. **QC 1030C Inhibitor** can also be added to tumbling compounds to provide in-process corrosion protection.

QC 1030C Inhibitor is used between 1% and 20% by volume in water (2% to 10% by volume is typical).

ADVANTAGES

1. Water-based inhibitor that leaves a non-oily, non-crystalline, tack-free film of protection.
2. Prevents flash rusting.
3. Effective at low concentrations.
4. Liquid product makes automatic feeding easy.
5. Easily removable for subsequent operations.
6. Environmentally friendly.

NORMAL CONTROL

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Take a sample of the **QC 1030C Inhibitor** solution from the bath with a beaker and allow to cool to room temperature.
2. Pipette 10 mL into a 250 mL Erlenmeyer flask.
3. Add 5 drops phenolphthalein indicator.
4. Titrate with 0.50N hydrochloric acid until pink color disappears.
5. Calculation: Percent Concentration of **QC 1030C Inhibitor** = mLs of 0.50N HCl x 4.7

Refractometer (Available from Chautauqua Chemicals Co.)

Calculation: Percent Concentration of **QC 1030C Inhibitor** = Refractometer Reading x 2.4

HANDLING AND SAFETY CONSIDERATIONS

Do not breathe mist. Avoid contact with eyes and skin. Wear proper protective equipment.

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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