

QC 826 Inhibitor

Corrosion Inhibitor
Technical Data

GENERAL DESCRIPTION

QC 826 Inhibitor is a low foaming, water-soluble, corrosion inhibitor designed for use on steel and iron in various metalworking applications. **QC 826 Inhibitor** provides humidity cabinet protection. The performance properties of **QC 826 Inhibitor** are not affected by water hardness, and aqueous films dry down to non-tacky residues.

NORMAL USE

QC 826 Inhibitor can be used in final water rinses to provide corrosion protection. This product can be used at ambient or elevated temperatures up to 180° F to facilitate drying of parts. **QC 826 Inhibitor** can also be added to tumbling compounds to provide in-process corrosion protection.

QC 826 Inhibitor is used at 1% to 10% by volume in water (3% to 7% 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.

PERFORMANCE

Humidity Cabinet Testing (ASTM D-1748) – Polished cold rolled steel panels.

Percent QC 826 Inhibitor in Water

7%

Days to Fail

10

NORMAL CONTROL

Refractometer (Available from Chautauqua Chemicals Co.)

Calculation: Percent Concentration of **QC 826 Inhibitor** = Refractometer Reading x 2.08

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Pipette a 10 mL sample into a 100 mL Erlenmeyer flask and allow to cool to room temperature.
2. Add 3 drops of Bromocresol Green-Methyl Red (aqueous) indicator.
3. Titrate with 0.05N hydrochloric acid until solution reaches a pH of 4.3 (color will change from blue to orange-pink).
4. Calculation: Percent Concentration of **QC 826 Inhibitor** = Volume (mL) of 0.05N HCl x 0.35

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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