



# Chemical Methods, Inc.

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## TECHNICAL DATA SHEET

### CM-971 IRON PHOSPHATIZER

#### PRODUCT DESCRIPTION

**CM-971** is an odorless liquid phosphatizing solution. **CM-971** will deposit a fine grain iron phosphate coating on clean steel surfaces. All oil, grease and shop dirt must be removed prior to processing through **CM-971**. This is typically completed through an alkaline cleaning stage prior to applying the phosphate.

Untreated steel surfaces are electrically conductive (can cause rusting of metal surface adjacent to the paint film through electro-chemical corrosion) and susceptible to corrosion however, steel surfaces treated with **CM-971** will be uniform, non-conductive and corrosion resistant. The iron phosphate coating produced with **CM-971** will inhibit the spread of corrosion from a damaged area to an undamaged area.

**CM-971** will yield heavy coatings in a range upwards of 120 mg/ft<sup>2</sup> depending upon use conditions.

**CM-971** will not attack mild steel tanks or piping, but stainless steel spray nozzles and piping are recommended.

**CM-971** provides an excellent base for paint and other films and greatly improves the ability of the paint to withstand weathering, rusting and localized corrosion of painted surfaces if injured.

#### USE DIRECTIONS

Spray Washer: Use **CM-971** at 3% - 6% by volume with water within a temperature range of 110° to 140°F. Application times of 30-90 seconds are typical. It is recommended that **CM-971** be followed by a room temperature overflow rinse and then by a sealing rinse for 15-30 seconds.

Immersion: Use **CM-971** at 3%-6% by volume with water within a temperature range of 110° to 120°F. Soak times of 30-90 seconds are typical. It is recommended that **CM-971** be followed by a room temperature overflow rinse and then by a sealing rinse for 15-30 seconds.

***CM-971** will not remove rust or scale; pre-treatment in a suitable rust remover is necessary.*

#### SAFETY AND HANDLING

Refer to material safety data sheet for additional information about this product.