



Chemical Methods, Inc.

20338 Progress Drive
Cleveland, Ohio 44111
Phone: 216-476-8400
FAX: 216-476-1231
www.chemicalmethods.com

TECHNICAL DATA SHEET

CM-927-E **CLEANER AND IRON PHOSPHATIZER**

PRODUCT DESCRIPTION

CM-927-E is a clear, acidic liquid with a pleasant odor. **CM-927-E** will remove light fabricating oils and shop dirt. **CM-927-E** Cleaner and Phosphatizer will deposit a fine grain iron phosphate coating on steel, cast iron, wrought iron, and carbon steel. **CM-927-E** is not recommended for use on aluminum or zinc.

Untreated steel surfaces are electrically conductive (can cause rusting of the metal surface adjacent to the paint film through electro chemical corrosion) and susceptible to corrosion. However, steel surface treated with **CM-927-E** will be uniform, non-conductive, and corrosion resistant. The iron phosphate coating produced with **CM-927-E** will inhibit the spread of corrosion from a damaged area to an undamaged area.

CM-927-E will yield coatings in a range of 30 to 75 MGS/FT² depending upon the use conditions.

CM-927-E will not attack mild steel tanks or piping, but stainless steel spray nozzles and piping are recommended.

CM-927-E provides an excellent base for paint films and greatly improves the ability of the paint to withstand weathering, rusting, and localized corrosion of painted surface if injured.

USE DIRECTIONS

Spray Washer: Use **CM-927-E** at 2% to 4% by volume with water within a temperature range of 120°F to 150°F. It is recommended that **CM-927-E** be followed by a room temperature overflow rinse and then by an acid-sealing rinse such as CM-999 at RT for 20 seconds. Performance is optimized at pH's adjusted to 4.0 – 5.0.

It should be noted that **CM-927-E** will not remove rust or scale; pre-treatment in a suitable rust remover is necessary.

It is recommended that for heavily soiled work, a detergent booster such as CM-32-X be added in order to obtain a quality metal surface prior to painting.

SAFETY AND HANDLING

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