



Chemical Methods, Inc.

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TECHNICAL DATA SHEET

CM-965-T **LOW TEMPERATURE CLEANER/IRON PHOSPHATIZER**

PRODUCT DESCRIPTION

CM-965-T is a clear, acidic liquid with a pleasant odor. **CM-965-T** will remove light fabricating oils and shop dirt. **CM-965-T** will deposit a fine grain iron phosphate coating on steel, cast iron, wrought iron, and carbon steel. **CM-965-T** is also recommended for use on aluminum or zinc parts. Steel surfaces treated with **CM-965-T** will be uniform, non-conductive, corrosion resistant, and ready for painting. **CM-965-T** will yield coatings in a range of 35 to 75 mg/ft² depending upon the use conditions. **CM-965-T** will not attack mild steel tanks or piping, but stainless steel spray nozzles and piping are recommended. **CM-965-T** 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.

BENEFITS

- Low Temperature Operation
- Fast Cleaning Action

PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Concentrate	Clear Light Yellow Liquid
Specific Gravity	1.135
pH	3.4
Operating pH	4.5 – 5.5

USE DIRECTIONS

Spray Washer: Use **CM-965-T** at 2% to 4% by volume with water within a temperature range of 90°F to 140°F. It is recommended that **CM-965-T** be followed by a room temperature overflow rinse and then by a room temperature acid-sealing rinse such as CM-962 for 20 seconds. CM-38-A should be added to adjust pH downward, if necessary.

***CM-965-T** will not remove rust or scale; pre-treatment in a suitable rust remover is necessary. For heavily soiled work, a detergent booster such as CM-965-X should be added in order to obtain a quality metal surface prior to painting.*

TITRATION CONTROL – Total Acid Dropper Method

Measure 1 ml tank sample into empty test tube.

Add 2 drops of phenolphthalein indicator solution.

Titrate with 0.1 N NaOH dispensed from dropper bottle. Swirl test tube frequently during additions.

Titrate until color changes from **colorless** to **pink**.

Multiply drops of titrating solution times 0.27 to convert to operating concentration in percent by volume.

SAFETY AND HANDLING

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