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TECHNICAL DATA SHEET

CM-903-F

MULTI-METAL IMMERSION IRON PHOSPHATE CLEANER

PRODUCT DESCRIPTION

CM-903-F is a liquid iron phosphate material designed to clean and conversion coat steel, aluminum, and zinc surfaces. **CM-903-F** is capable of depositing a fine grain iron phosphate coating on steel, cast iron, wrought iron, and carbon steel. **CM-903-F** simultaneously cleans and produces an iron phosphate base (up to 100 mg/ft²) for improved paint film adhesion on steel parts. **CM-903-F** substantially improves the ability of paint to withstand weathering, rusting, and localized corrosion if injured.

BENEFITS

- Convenient liquid form.
- No objectionable odors.
- Excellent base for paint films.
- Biodegradable Surfactants
- Low bath maintenance.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Concentrate	Clear Yellow Liquid
Specific Gravity	1.146
Pounds per Gallon	9.56

USE DIRECTIONS - For soak cleaning operations:

Parameter	Range
Concentration	3% to 5%
Temperature	110 to 175°F
Time	2 to 5 minutes
pH	4.2 to 4.8 (4.5 optimum)

Soak Application - pH should be maintained between 4.0 and 5.0 with 4.5 targeted. Adjust pH upwards with sodium hydroxide and downwards with **CM-903-F** concentrate. Soak application should be followed by a room temperature over-flow rinse and optionally by a phosphate seal rinse for maximum corrosion resistance. Stainless steel (type 316 preferred) tanks and equipment are recommended.

SAFETY AND HANDLING

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