



Chemical Methods, Inc.

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TECHNICAL DATA SHEET

CM-5352-CF **MULTI-METAL SPRAY CLEANER**

PRODUCT DESCRIPTION

CM-5352-CF is a mildly alkaline cleaner designed for spray cleaning of aluminum and its alloys, including castings, sheet stock, extrusions, and tubing. **CM-5352-CF** is effective in hard water and does not leave sludge or scale build-up that occurs with the use of silicated cleaners.

BENEFITS

- Low Residue
- Non-Silicated
- Concentrated Formula
- Low Foaming

PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Concentrate	Clear Brown Liquid
Specific Gravity	1.080
Pounds per Gallon	9.01
pH	10.1 +/- 0.2

USE DIRECTIONS

For spray cleaning operations:

Parameter	Range
Concentration	1% to 5%
Temperature	120°F to 150°F
Time	30 to 120 seconds
Pressure	15 to 60 psi

Note: Operating at higher concentrations will allow lower temperatures and shorter timeframes.

TITRATION CONTROL – Buret Method

Measure 10 ml tank sample into clean empty flask.

Add 3-5 drops of methyl orange indicator solution.

Titrate with 0.1 N HCl dispensed from buret. Swirl flask frequently during additions.

Titrate until color changes from **yellow** to **red**.

Multiply ml of titrating solution times 1.47 to convert to operating concentration in percent by volume.

SAFETY AND HANDLING

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