



Chemical Methods, Inc.

20338 Progress Drive
Cleveland, Ohio 44149
216/476-8400
FAX: 216-476-1231
www.chemicalmethods.com

TECHNICAL DATA SHEET

CM-5383 ALKALINE SPRAY CLEANER

PRODUCT DESCRIPTION

CM-5383 is a heavy duty clear liquid alkaline spray cleaner designed to remove oils, greases, fabricating oils, drawing and forming lubricants, cutting oils, quench oils, stamping oils, shop dirt, animal fats, mineral oils and carbonaceous soils from ferrous metals and stainless steel. **CM-5383** is a highly alkaline cleaner capable of being used at a wide range of operating conditions. The cleaning agents in **CM-5383** penetrate and loosen tough soils allowing them to be completely removed by rinsing. **CM-5383** is non-phosphated economical product for cleaning tough soils typically encountered in paint pretreatment spray washers. **CM-5383** is not recommended for use on aluminum or zinc.

BENEFITS

- Highly alkaline
- Low foaming
- High detergency for maximum cleaning efficiency
- Hard water tolerant
- Non-flammable liquid concentrate
- High soil tolerance

PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Concentrate	Clear Light Yellow Liquid
Appearance, 5% Dilution	Clear Liquid
Specific Gravity	1.255
Pounds per Gallon	10.47
PH	>13

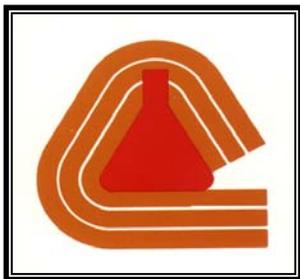
USE DIRECTIONS - For spray cleaning operations:

Parameter	Range
Concentration	2% to 10%
Temperature	120 to 160°F
Time	15 to 120 seconds

A clean water rinse should be employed after the cleaning tank. *Note: Exact operating conditions will be dictated by the type and magnitude of the soils encountered. Operating at higher concentrations can extend the rust protection.*

SAFETY AND HANDLING

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



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TITRATION CONTROL PROCEDURES

BURET METHOD

EQUIPMENT:

- Plastic 250 ml Flask
- Graduated Pipet
- 25 ml Buret
- 1.0 N HCl Titrating Solution
- Phenolphthalein Indicator Solution

PROCEDURE:

1. Fill graduated pipet to 25 ml mark with test solution.
2. Empty into flask.
3. Add 5-7 drops of Indicator Solution.
4. Add Titrating Solution slowly to flask from buret.
5. Swirl flask between titrant additions.
6. Continue titrating until color changes from **Deep Pink** to **Colorless**.
7. Multiply ml of titrating solution by **0.787** to obtain % by volume.

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DROPPER KIT METHOD

EQUIPMENT:

- Test Tube
- 1 ml Eyedropper
- 0.1 N HCl Titrating Solution
- Bromophenol Blue Indicator Solution

PROCEDURE:

1. Fill eyedropper to 0.5 ml mark with test solution.
2. Empty into test tube.
3. Add 1 drop of Indicator Solution.
4. Add Titrating Solution drop-wise to test tube from dropper bottle.
5. Swirl test tube between titrant drop additions.
6. Continue titrating until color changes from **Deep Pink** to **Colorless**.
7. Multiply drops of titrating solution by **0.154** to obtain % by volume.

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