



Colonial ZF-10

Low-Foaming Surfactant Concentrate

DESCRIPTION Low-Foaming Concentrate for up to 10% Caustic

LISTINGS USA (TSCA); Canada (NDSL); EU (REACH); Korea (KECI); China (IECSC); New Zealand (NZIOC), Taiwan (TCSI)

Colonial ZF-10 is a low foaming concentrate for up to 10% caustic. It is a surfactant product made to be easily soluble in concentrated alkaline solutions at room temperature but exhibits low foaming nonionic behavior at elevated temperatures after dilution to end use concentrations. Colonial ZF-10 is designed to provide superior detergency characteristics in the presence of strong electrolytes used in soak tanks, sprays, pipeline cleaners, and low-foaming scrubbers.

Colonial ZF-10 contains sodium ions, an alternative to Colonial ZF-10P that contains potassium ion instead.

SPECIFICATION

Appearance, 25°C	Clear amber liquid
% Moisture	49.0 – 51.0
pH (as is @ 25°C)	8.8 – 10.0
Color, Apha (Hazen)	100 Max.

Ross Miles Foam (0.1% active)

Immediate	60 mm
1 minute	20 mm
5 minutes	10 mm

CLOUD POINTS (°C) FOR ZF-10 IN NaOH

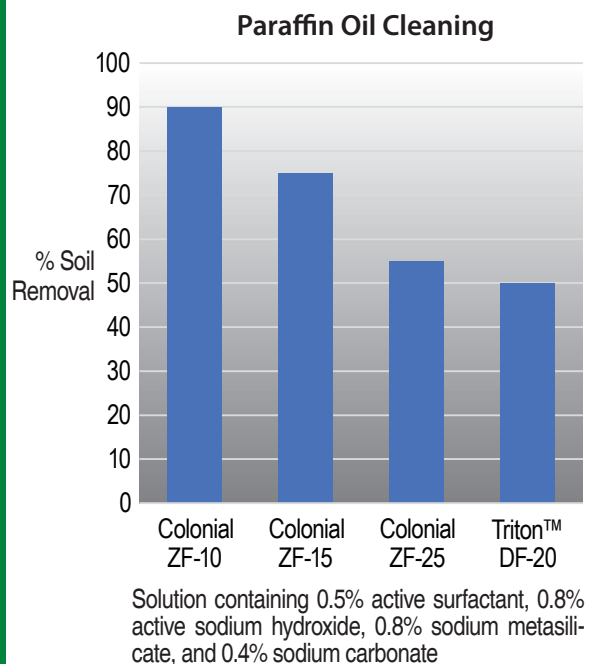
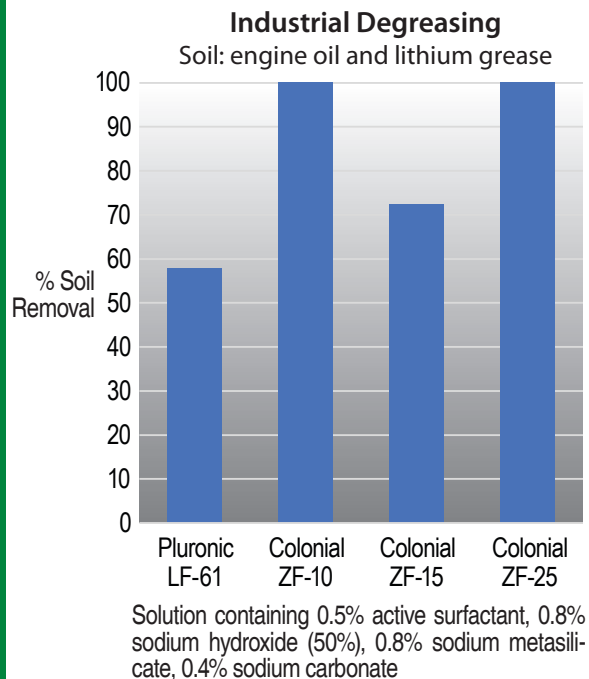
% NaOH	3% Active ZF-10	5% Active ZF-10
5	38°C	63°C
10	69°C	91°C

SOLUTION PROPERTIES FOR ZF-10

Draves Wetting Time (secs)	13
Cloud Point	31°C
Surface Tension (dynes/cm)	34.0

Test Condition 1.0% ZF IN 0.5% NaOH

PERFORMANCE TESTING



Low Foaming Hard Surface Cleaner

INGREDIENT	%
1 Water	qs to 100.00
2 Anhydrous Sodium Metasilicate	5.0
3 Tetrapotassium Pyrophosphate	15.0
4 Colonial ZF-10	10.0

PROCEDURE:

Blend ingredients in order given with sufficient mixing until clear. Use at 1:15 to 1:20 dilution in water.

TYPICAL DILUTION PROPERTIES:

Cloud point: ~35°C, Krafft point <0°C.

STORAGE AND HANDLING

Colonial ZF-10 should be stored in sealed containers below 50°C in a dry place out of direct sunlight. If the material becomes solidified or hazy during exposure to cold temperatures, heat to 30 - 35°C. Handle between 5°C and 50°C. Shelf life is 24 months from date of manufacture. Safety Data is available at www.colonialchem.com.

Colonial ZF-10 is shipped in poly drums, net weight 480 lbs/217.7 kg.



Colonial Chemical

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Innovative Specialty Surfactants