



Cola®Foam CAB-49

Fracturing Aid

LISTINGS

USA (TSCA), Canada (DSL/NDSL), Australia (AIC), China (IECSC), Korea (KECL), Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI)

Cola®Foam CAB-49 is a specially prepared grade of cocamidopropyl betaine in isopropanol and water. It provides exceptionally low pour point compared to other grades of Cocamidopropyl Betaine. This surfactant is ideal for varying conditions and generates copious foam in formulations where hypochlorite, peroxides and mine als are present. In addition Cola®Foam CAB-49 can be used for grease and oil emulsification for oil/water emulsions.

Cola®Foam CAB-49 is useful when formulating acid fracturing aids.

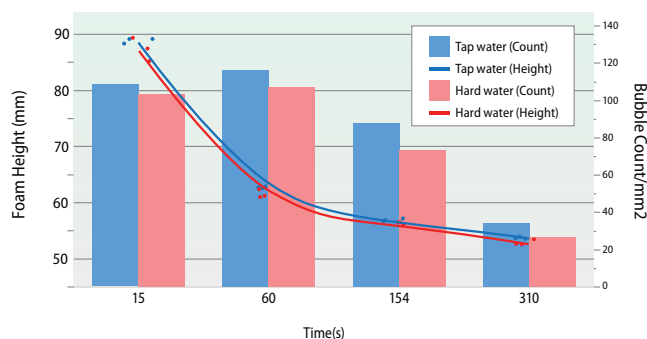
TYPICAL PROPERTIES

Appearance @ 25°C	Clear Liquid
% Solids	47.0 – 51.0
pH (10% aqueous)	4.0 – 7.0
Sodium Chloride, %	6.0 – 7.5
Free Amine, %	1.0 Max.
Viscosity @ 25°C	59
Pour Point °C	< -14
Flash Point °C	19.5



FOAM RESPONSE

Foam Response with Cola®Foam CAB-49 in Varying Water Chemistries



	Test Method	Tap Water (mg/L)	Hard Water (mg/L)
TSS	Gravimetric	< 10.0	86.8
TDS	Gravimetric	101.5	7949.9
Chloride (Cl-)	IC	12	< 25.0
Calcium	ICP-OES	21.7	1610
Sulfate	IC	9	1130
Magnesium	ICP-OES	< 9.3	285
Sodium	ICP-OES	< 9.3	< 9.6
Carbonate (CO3)	Coulometric	< 550.0	< 600.0
pH	pH Meter	7.1	7.6

STORAGE / HANDLING

Cola®Foam CAB-49 should be stored in sealed containers at temperatures not exceeding 120°F (49°C). Shipped in poly drums (net weight 450 lb/204 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



Colonial Chemical
Innovative Specialty Surfactants
www.colonialchem.com