



Cola®Wet TDS-35

Anionic Multi-Functional Surfactant

DESCRIPTION Tetrasodium Dicarboxyethyl Stearyl Sulfosuccinamate

CAS 38916-42-6

LISTINGS USA (TSCA), Canada (DSL), Australia (AICS), Japan (MITI), Korea (KECI), China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (NECI)

Cola®Wet TDS-35, chemically described as tetrasodium dicarboxyethyl stearyl sulfosuccinamate, is an anionic surfactant displaying a wide array of functional properties. This versatility makes it ideal for use in industrial detergents, agricultural, cosmetic, and textile products, as well as in emulsion polymerization of vinyl monomers.

ALKALINE STABILITY

Cola®Wet TDS-35 demonstrates outstanding stability in high electrolyte salt solutions. 1% active (by wt.) of Cola®Wet TDS-35 is soluble and stable in up to 35% active solutions of NaOH or KOH at room temperature (solutions remain clear for 3 hours @ 180°F).

SOLUBILIZING PROPERTIES

Cola®Wet TDS-35 can effectively stabilize emulsions containing high concentrations of inorganic salts. Its potent solubilizing properties can be used to increase the tolerance of soaps, sulfonated oils, and other surface active agents to alkalies, inorganic salts and acids.

TYPICAL PROPERTIES

Appearance, 25°C	Clear To Slightly Cloudy, Tan Liquid
% Solids	35.0
Acid Value	< 2.0
Iodine Value	< 0.5
pH (as is)	7.5
Color, Gardner '98	8 Max.

SURFACE TENSION/WETTING PROPERTIES

% Active Cola®Wet TDS-35	Surface Tension (dynes/cm) @ 25°C
1.00	44
0.10	43
0.06 (CMC)	42
0.02	47
0.01	55

Cola®Wet TDS-35 has modest wetting properties at room temperature which improve dramatically at elevated temperatures. This behavior makes Cola®Wet TDS-35 particularly useful in hot systems, such as steam cleaners and extraction carpet care cleaners.

% Active Cola®Wet TDS-35	Draves-Clarkson Wetting Time		
	30°C	50°C	70°C
2.5	148	45	10
0.25	232	57	30

STORAGE / HANDLING

Cola®Wet TDS-35 should be stored in closed containers. Shipped in 55 gallon poly drums (net weight 500 lb/226 kg). Typical shelf life is 12 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.

Colonial Chemical

225 Colonial Drive · South Pittsburg, TN 37380

Phone: 423-837-8800 · Fax: 423-837-3888

www.colonialchem.com

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