

CHEMICAL NAME

Sodium Alkanoate, Bleach Stable Hydrotrope

LISTINGS

US (TSCA), Canada (DSL), EU (REACH), Japan (ENCS), Korea (KECI), China (IECSC), Taiwan (NECI)

DESCRIPTION

Cola®Trobe INC is a versatile, low foaming anionic surfactant/hydrotrope and designed for the use of coupling nonionics and other surfactants into products where high levels of electrolytes may be present. It is especially effective in formulating alkaline built liquid detergent concentrates. *This product is not generally intended for low pH systems.*

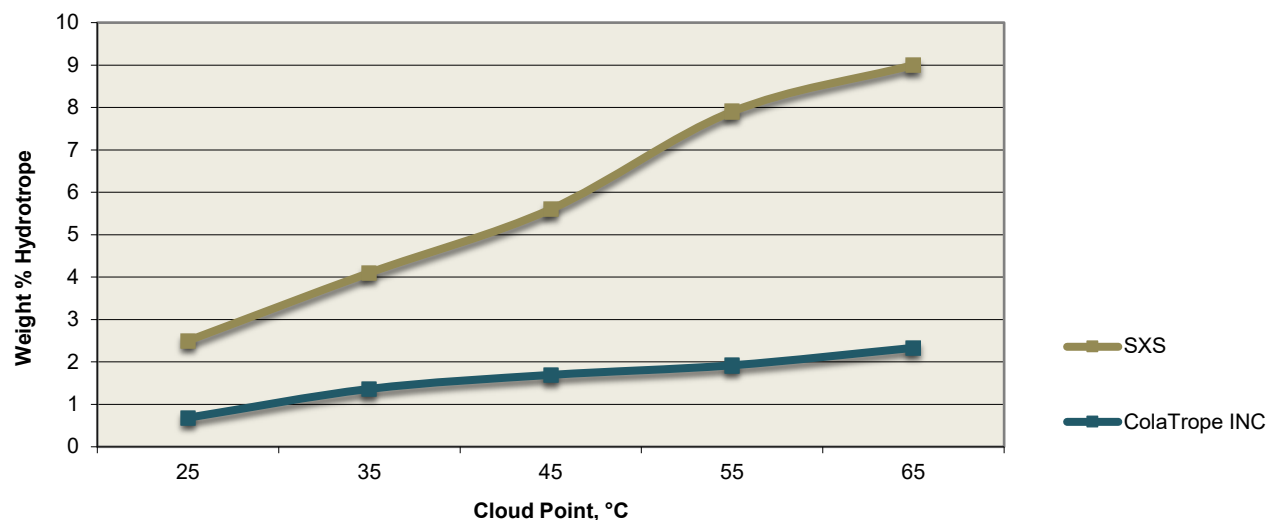
When compared to Sodium Xylene Sulfonate, a popular product used in built liquid detergent systems, there are a number of reasons for considering Cola®Trobe INC as a more viable alternative for formulations, including:

- Cola®Trobe INC is generally **twice as effective as SXS** when compared on an equal solids basis (judged on the basis of either higher cloud point or lower Krafft point temperatures).
- Cola®Trobe INC is a stand-alone surfactant and as such will contribute to the surface activity, wetting and/or detergency properties of the formulated product. SXS only functions as a hydrotrope and never improves detergency. SXS actually ties up some of the surfactant activity of the surfactants in the system
- Cola®Trobe INC has excellent stability in hypochlorite solutions. INC does not contribute to the degradation of the hypochlorite in the formulation like SXS.
- Cola®Trobe INC is a fast wetter, taking only 22 seconds during a Draves wetting test in a hypochlorite solution. For a reference, Cola®Trobe INC is soluble in 10% Sodium Hydroxide and soluble in 20% Potassium Hydroxide.

Cola®Trobe INC is readily biodegradable based on OECD TG 301B. This product meets the criteria for a surfactant under the EU Detergents Regulation (EC) 648/2004.

TYPICAL PROPERTIES

Appearance	Clear Liquid
% Solids	44.0 – 46.0
pH, as is	9.0 – 10.5
Color, Gardner '98	2 Max.

HYDROTROPE TEST (amount needed to clear solution of 1% L12-6 in 10% KOH)

STORAGE AND HANDLING

It is recommended that Cola®Trobe INC be stored in sealed containers at temperatures not exceeding 120°F (49°C). Shelf life is 24 months from date of manufacture. A Safety Data Sheet is available upon request.

PACKAGING

Cola®Trobe INC is shipped in 55 gallon poly drums, in totes or bulk.

SUGGESTED FORMULATIONS

1. All Purpose Hard Surface Cleaner

1	Tetrasodium Pyrophosphate	10.0
2	Sodium Metasilicate	2.0
3	Sodium Carbonate	2.0
4	Cola®Trobe INC	5.0
5	Igepal CO-710 (GAF)	3.0
6	Water	78.0

Cloud point = 70°C Recommended use dilution: 1:50

2. Spray Metal Cleaning Concentrate

1	Sodium Metasilicate	3.0
2	Sodium Carbonate	4.0
3	Sodium Hydroxide (50%)	5.0
4	Cola®Trobe INC	5.5
5	Surfonic LF-17 (Huntsman)	1.0
6	Water	81.5

Cloud point = 78°C Recommended use dilution: 1:40 Foam Height @ 60°C = none

3. Low Foam Floor Scrubber/Wax Stripper

1	Tetrasodium Pyrophosphate	5.0
2	Trisodium Phosphate	5.0
3	Sodium Metasilicate	3.0
4	Cola®Trobe INC	5.5
5	Surfonic LF-17 (Huntsman)	1.0
6	Water	81.5

Cloud point = 70°C Recommended use dilution: 1:50

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