

Technical Data Sheet

Cola[®]Trope AHS



CHEMICAL NAME Alkylether Hydroxypropyl Sultaine
CAS NUMBER 108797-84-8, 108797-85-9
LISTINGS TSCA (USA), DSL (Canada), IECSC (China), AICS (Australia), NZIoC (New Zealand)

DESCRIPTION

Unlike some conventional surfactants used in 50% Caustic Soda solutions, **Cola[®]Trope AHS** is readily soluble and requires no prolonged mixing or heating. It is also stable in mineral acids (i.e., 25% HCl, 20% HNO₃, and 85% H₃PO₄).

Suggested uses are in the area of industrial and household products where high performance and low foam are required. Metal cleaning, bottle washing concentrates, heavy duty steam cleaning, wax striping, etc., are only a few of the areas where Cola[®]Trope AHS deserves evaluation..

Tests show that 1.5% of Cola[®]Trope AHS in a 50% Sodium Hydroxide solution yields a surface tension of 35.8 dynes/cm. A solution of 0.3% Cola[®]Trope AHS in 10% Sodium Hydroxide has a surface tension of 25 dynes/cm.

Prolonged boiling of 0.3% Cola[®]Trope AHS in a 10% Caustic Soda solution showed no loss of effectiveness in lowering surface tension.

In addition to being an effective wetting agent and detergent in Caustic Soda solutions, Cola[®]Trope AHS at 1.0% in HCl and at 10% in Nitric Acid solutions lowers the surface tension to below 30 dynes/cm.

TEXTILE APPLICATION

Cola[®]Trope AHS is intended for use in both alkaline and acid products where its low foam, ease of handling, and effective surface tension lowering will be of significant interest..

TYPICAL PROPERTIES

Appearance	Pale Yellow Liquid
% Solids	49.0 – 51.0
pH (as is)	7.5 – 9.5
% NaCl	8 Max.
Ross Miles Foam Tests 1.0% Solution	10 mm
Ross Miles Foam Test 0.1% Solution	5 mm

STORAGE AND HANDLING

Cola[®]Trope AHS should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available upon request.

PACKAGING

Cola[®]Trope AHS is shipped in 55 gal. poly drums and bulk quantities.

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