

COLA[®]TROPE AHS

INCI: Alkylether Hydroxypropyl Sultaine
CAS NUMBER: 108797-84-8, 108797-85-9

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 stripping, 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.

TYPICAL PROPERTIES

Ross Miles Foam Tests 1.0% Solution	10 mm
Ross Miles Foam Test 0.1% Solution	5 mm

SPECIFICATIONS

Solids (Moisture Balance), %	49.0 – 51.0
NaCl, %	8.0 Max
pH (as is @ 25°C)	7.5 – 9.5

STANDARD APPLICATIONS

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.

STANDARD PACKAGING

Cola[®]Trope AHS is available in bulk quantities, 500-lbs. closed head poly drums and 500-lbs. open head fiber drums.

SHELF LIFE

Cola[®]Trope AHS has a shelf life of one year.

Last Modified 08/09/2005

WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.