

Technical Data Sheet

Cola®Mid 3458

Multi-purpose Wetting Agent



INCI NAME CAS NUMBER LISTINGS

Soyamide DEA
68425-47-8
US (TSCA), EU (REACH), Canada (DSL), Australia (AICS), Philippines (PICCS), Korea (ECL),
New Zealand (NZIoC), Taiwan (TCSI)

DESCRIPTION

Cola®Mid 3458 is a 100% active linoleic diethanolamide designed to provide excellent foam stabilization, viscosity building, conditioning, and emulsification properties in shampoos, skin cleansers, and all types of personal care and liquid cleanser formulations where quality, performance, extreme mildness and maximum ease of handling are required. For industrial applications, Cola®Mid 3458 an effective thickener and emulsifier for a variety of oils and is useful in the development of micro-emulsion detergent and solvent-based cleaners.

BENEFITS

- Strongest viscosity response of the range of amides
- Excellent foam building and stabilization - creates a tight, dense, creamy lather
- Functions as conditioner for skin and hair care systems because of long chain length
- Emulsifier for wide range of oils
- Especially suited for AOS systems
- 100% active liquid
- Suitable for cold processing

TYPICAL PROPERTIES

Appearance	Clear Liquid
Titrateable Amine	5.6
% Free Fatty Acid	1 Max.
pH (1% Aqueous)	10.3
Color, Gardner '98	5
Color, Gardner BYK	5.1

PERFORMANCE ATTRIBUTES

Viscosity Building

System: Sodium Lauryl Ether Sulfate 13% active (by wt.)

Cola®Mid 3458 - 4% active (by wt.)

Viscosity of Above System Viscosity*

14,000 cps 900 cps

Cylinder Shake** (Foaming) mls

1 Min.	5 Min.
67	60

*Above formulation diluted with 3% propylene glycol **Dilution 1 g/100 tap water

EMULSIFICATION/DETERGENCY

An example of the outstanding water-in-oil emulsifying properties of Cola®Mid 3458 is as follows:

By combining 10 parts (by wt.) of Cola®Mid 3458 with 40 parts (by wt.) of mineral oil and slowly adding water with good agitation and shear, a stable water-in-oil emulsion can be prepared containing an unusually high percentage of water. As the water concentration is increased, the emulsion becomes more viscous, however does not invert to an oil-in water emulsion until the concentration of oil is below 8% (by wt.).

The excellent oil emulsification properties of this low to moderate foaming alkanolamide suggest its use in degreasers and other hard surface cleaners.

STORAGE AND HANDLING

Cola®Liquid DO should be stored in a sealed container in a cool, dry place out of direct sunlight. Cola®Liquid DO is available in poly 55-gal drums, net weight 450 lbs. (204.1 kg). Safety Data Sheets may be found at www.colonialchem.com.

Colonial Chemical, Inc.

225 Colonial Drive · South Pittsburg, TN 37380 · Phone: 423-837-8800 · Fax: 423-837-3888 · www.colonialchem.com

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