



Cola[®]Lux MO

Amine Oxide Surfactant

CHEMICAL NAME	Myristamine Oxide
CAS NUMBER	3332-27-2
LISTINGS	USA (TSCA); Canada (DSL); Australia (AICS); Korea (KECI); China (IECSC/IECIC); Philippines (PICCS); New Zealand (NZIoC); Taiwan (TCSI)

Cola[®]Lux MO is an amine oxide-based zwitterionic surfactant with a C₁₄ (tetradecyl) alkyl tail. It is used as a foam stabilizer and hair conditioning agent in shampoos and conditioners. Like other amine oxide-based surfactants, it is antimicrobial, being slightly more effective than lauryldimethylamine oxide against the common bacteria *S. aureus* and *E. coli*.

BENEFITS

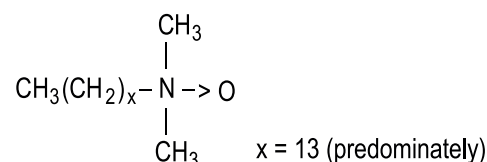
- Cleansing agent
- Emulsifier
- Hair conditioning agent
- Emollient
- Foam stabilizer
- Viscosity booster
- Foam booster
- Acid and alkali stable
- Bleach stable

APPLICATIONS

- Shampoos
- Bubble baths
- Household, industrial and institutional products
- Facial masks (mud packs)
- Hair conditioners
- Shaving creams
- Hand soaps

TYPICAL PROPERTIES / STRUCTURE

Appearance @ 25°C	Clear Liquid
pH (10% aq)	8.0
Amine Oxide, %	31
Free Amine, %	0.7 Max.
Free Peroxide, %	0.07 Max.
Color, Gardner BYK	1.0 Max.



STORAGE / HANDLING

Cola[®]Lux MO should be stored in sealed containers at temperatures not exceeding 120°F (49°C). Shipped in 55 gallon poly drums (net weight 450 lb/204 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.

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Innovative Specialty Surfactants