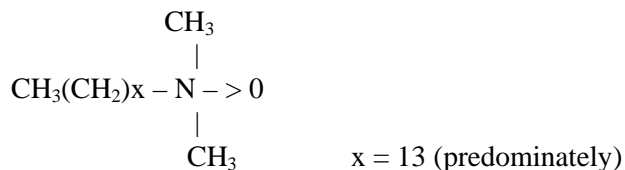


COLA[®]LUX MO

CTFA/INCI Name: Myristyl Dimethylamine Oxide
CAS # 3332-27-2

CHEMICAL STRUCTURE



PROPERTIES

- Cleansing Agent
- Emulsifier
- Hair Conditioning Agent
- Emollient
- Foam Stabilizer
- Viscosity Booster
- Foam Booster
- Acid & Alkali Stable
- Bleach Stable

APPLICATIONS

- Shampoos
- Bubble Baths
- Household Products
- Shaving Creams
- Facial Masks (Mud Packs)
- Industrial & Institutional Products
- Hair Conditioners
- Hand Soaps

TECHNICAL DATA

Appearance @ 25°C	Clear Gel	Amide Oxide (MW 271), %	30
Free Amine (MW 255), %	0.5	Hydrogen Peroxide, %	0.1
Cloud Point (as is), °C (°F)	3 (37)	pH, 10% aqueous	8.0
Boiling Point, °C (°F)	100(212)	Color Gardner (10% solution)	80 max.

Cola[®]Lux MO is practically non-toxic (LD₅₀>5g/kg) and is moderately irritating to skin. The product is minimally irritating to eyes at 2% active.

All components of Cola[®]Lux MO are listed in the following countries: Europe (EINECS 222-059-3), Japan (ENCS 2-198), Canada (DSL 3332-27-2), Australia (AICS 3332-27-2), Korea (98-3-970) and United States (TSCA listed).]

CONDITIONING HAND SOAP

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
Bioterge AS-40	23.30	Primary Surfactant
Cola [®] Lux MO	5.00	Conditioning Agent
Ninol 96-SL	3.50	Viscosity & Foam Enhancer
Amphosol CA	1.00	Conditioning Agent
Polyquaternium-7	0.25	Film Former
Citric Acid (50%)	q.s.	pH Adjuster
Dye, Preservation, Fragrance	q.s.	Additives
Sodium Chloride	q.s.	Viscosity Adjuster
D. I. Water	q.s. to 100.00	Solvent, Carrier

Mixing Procedures

Add first five ingredients to water, heat to 60°C (140°F), blend until homogeneous. Adjust pH to 6.0-7.0 with citric acid. Add fragrance, dye and preservative, as desired. Adjust to desired viscosity with sodium chloride.

Physical Properties:

pH (as is)	6.0-7.0
Appearance at 25°C	Clear, yellow liquid
Viscosity Profile:	
As is	1,000 cps
with 0.5% sodium chloride	13,300 cps
with 1.0% sodium chloride	25,300 cps

Last Modified 06/30/2006

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.