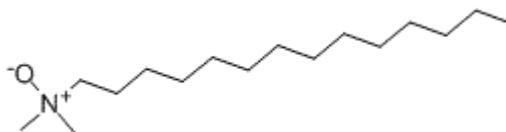


## Tetradecyl Dimethyl Amine Oxide (OA-14)

<b>CAS No.</b>	3332-27-2	<b>EINECS No.</b>	222-059-3
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>35</sub> NO	<b>Molecular Weight</b>	257.46

### Structural Formula



### Product Features

Tetradecyl Dimethyl Amine Oxide (OA-14) is an amine oxide based zwitterionic surfactant with a C14 (tetradecyl) alkyl tail. Tetradecyl Dimethyl Amine Oxide (OA-14) is used as a foam stabilizer and hair conditioning agent in some shampoos and conditioners. Like other amine oxide based surfactants Tetradecyl Dimethyl Amine Oxide (OA-14) is antimicrobial, being slightly more effective than lauryldimethylamine oxide against the common bacteria *S. aureus* and *E. coli*.

### Technical Specification

Parameter	Standard
Appearance	Light yellow transparent liquid
Active content, %	25% min
Free amine, %	1.0 max
pH (10% water solution)	6.0-9.0

### Applications & Usage

Tetradecyl Dimethyl Amine Oxide (OA-14) mainly used in shampoo, make the hair more supple, easy to comb, foam delicate, rich luster, can also be used for tableware, bathroom, building walls and other hard surface cleaning agent, to give the product to thickening, synergism and reduce irritation.

## Package & Storage

25L Drum	200L Drum	1000L IBC
		
Storage for ten months in shady room and dry place.		

## Hazard & Safety Precaution

Hazard Information	Safety Precaution
 ENVIRONMENTALLY HAZARDOUS , Class 9, UN 3082	
Once contacted with eye and skin, flush with plenty of clean water.	

## Alternative Name / Synonyms

- N,N-DIMETHYL-TETRADECYLAMINE OXIDE
- MYRISTYL DIMETHYLAMINE OXIDE
- 1-Tetradecanamine,N,N-dimethyl-,N-oxide
- n,n-dimethyl-1-tetradecanaminn-oxide
- n,n-dimethyltetradecylaminen-oxidesol
- N,N-dimethylTetradecylamine-N-oxide
- MYRISTAMINE OXIDE
- Tetradecyldimethylamineoxide