



## Dimethyldodecylamine oxide (OA-12)

Chemical Name: Dimethyldodecylamine oxide

Molecular Formula: C<sub>14</sub>H<sub>31</sub>NO

CAS NO.: 1643-20-5

### SPECIFICATIONS

Appearance	Colorless or light yellow transparent liquid
Actives , %	30.2-31.8
Free amine , %	0.50max
pH	6.2-7.8
Peroxides , ppm	0.20max
Color	40max

### SPECIALITY

Dodecyl dimethyl amine oxide is a special type of surfactant. It is a colorless or slightly yellow transparent liquid at room temperature. It becomes cationic in acidic media and non - ionic in neutral or alkaline media. In addition to having the general properties of surfactants, it also has excellent solubilization, thickening, emulsification, foaming, foam - stabilizing, softening, moisturizing, and antistatic properties. It has good compatibility with human skin, low physiological toxicity, and is easily biodegradable. It also has certain antibacterial and mold - proof effects.

### APPLICATIONS

It is mainly used in shampoo to make hair more soft, easy to comb, with fine foam and a shiny luster. It can also be used on hard surfaces such as tableware, bathrooms, and building exteriors. In cleaners, it imparts thickening, reduces irritation, and enhances the effectiveness of the product.

### PACKAGING AND STORAGE

Packaging: 160kg per drum (galvanized steel drum or plastic drum), 800kg per IBC.

Storage and Transportation: Keep away from fire, heat sources and strong acids.