**Overview**

**Quick Details**

CAS No.: 1643-20-5

Other Names: Dodecyl Dimethyl Amine Oxide

MF: C12H25N(CH3)2O

EINECS No.: 216-700-6

Place of Origin: China

Purity: 30%

Usage: Cosmetic Raw Materials, Detergent Raw Materials, Hair Care Chemicals

**Packaging & Delivery**

Packaging Details

200kg/new blue plastic drum with intacted seals,shipping mark as per buyer's requirements

Product Introduction

**Lauryl Dimethyl Amine Oxide  
  
                                                          CAS No.:1643-20-5**

**Package:200 kg/plastic drum,16MT/20'FCL;1000 L/IBC.**

Product name: Lauryl Dimethyl Amine Oxide;  
                           Lauramine Oxide;  
                           OA-12, OB-2;  
                           N, N-Dimethyldodecylamine-N-Oxide;  
                           Coco Dimethyl Amine Oxide;  
                           Dodecyl dimethyl amine oxide;  
    
Molecular Formula:C12H25N(CH3)2O

EINECS:216-700-6

**Application**

Lauryl Dimethyl Amine Oxide is used as detergent, emulsifier, wetting agent, foaming agent, softener, milling agent and dyeing auxiliary. OA-12 also can be used as sterilizing agent and antistatic agent, as a coagulant during metal plating, as an initiating agent or inhibiting agent in polymerization, as an emulsifying agent or moisturizing agent in cosmetics; otherwise, it can be used as an antirust agent for metal.The recommended dosage is 3%~10%

**Properties**

1.It is a kind of weak cationic surfactant, in acid medium was cationic, and in alkaline medium was nonionic.  
  
2.Excellent antistatic, foaming, softening, thicking, solubilizing, foam-stabilizing performance. Also, it can produce lots of foam, mild irritation to skin and eyes.

Specifications

|  |  |
| --- | --- |
| Iterm | **Index** |
| Appearance (25): | Colorless clear liquid |
| Activity (%): | min 30.0 |
| Color (%): | Max 100 |
| PH value (10% aqueous solution) | 6.0-8.0 |
| Free amine (%): | Max 0.2% |
| H2O2 (%): | Max 0.2% |

Product Description

1. Excellent antistatic, softening, foam-stabilizing performance.  
2. Mild to skin. Make cloth soft and smooth, make hair soft, easy to comb, glossy and shiny.  
3. Bleach stable. Good ability of thickening and solubilizing to keep product stable.  
4. Good ability of sterilizing and dispersing calcium soap, good biodegradability.  
5. Be compatible with anioncic, cationic, amphoteric and nonionic surfactants.  
6. Especially suitable for shampoos, bath washes, dish washing detergents

Package and Storage

### Package

200L plastic drum or IBC(1000L) according to customers' requirement.

### Storage

Store in dry and cool place, keep away from sunshine and rain

**Transport Information**  
1. DOT Classification: Class 8: Corrosive material  
  
2. Identification: : Amines, liquid, corrosive, n.o.s. (Dodecyl Dimethyl Amine Oxide) UNNA: 3259 PG: III  
  
3. Special Provisions for Transport: Not available.