

# Technical Data Sheet

## DIMLA 12


### Chemical Synonym

N,N-dimethyldodecylamine; N,N-dimethylaurylamine; N,N-dimethyldodecanamine;  
Dodecyldimethylamine; Dimethyldodecylamine; Lauryldimethylamine

### Applications

- Fabric care
- Hard surface care
- Home & industrial care intermediates
- Industrial cleaners
- Institutional cleaners
- Soap/detergents

### Product Description

Dimla 12 mainly contains alkyldimethylamines with a chain length C12. The product is a clear to slightly yellow liquid at room temperature and has the characteristic odor of fatty amines. 

Dimla 12 is used for the production of:

- Quaternary ammonium compounds (quats)
- Amine oxides
- Amphoterics (betaines and sulfobetaines)

### Typical Properties

Property	Test Method	Typical Value, Units
<b>General</b>		
Color		Colorless to slightly yellow
Odor		Strong ammonia-like odor
Flash Point	ASTM D92	>100 °C
Thermal Decomposition Temperature		>150 °C
Vapor Pressure @ 20°C		<1 hPa
Density @ 25°C		770-780 kg/m <sup>3</sup>
Octanol-water partition coefficient, log Pow @ 20°C		>3
Solubility		
Chloroform and isopropylalcohol		Soluble
Water in, @ 20°C		Insoluble
Freezing Point		-22 °C

### Packaging

Bulk (railcar/tank truck/isocontainers) delivery in stainless steel containers. Drums/IBC's also available.

## Storage

The product can be stored in carbon steel vessels. Do not store above 80 °C.

Precautions should be taken to avoid contact with moisture, CO<sub>2</sub> and copper compounds. To prevent discoloration, air and moisture should be excluded from the storage tanks by blanketing with a dry inert gas (e.g. nitrogen).

## Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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