

Technical Data Sheet

DIMLA TM 1214 RSPO MB

Chemical Synonym

N,N-dimethyldodecylamine N,N dimethyltetradecylamine / N,N dimethylaurylamine; N,N-dimethylmyristylamine; N,N dimethyldodecanamine N,N dimethylundecanamine / Dodecyldimethylamine; Tetradecyldimethylamine / Dimethyldodecylamine; Dimethyltetradecylamine

Applications

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

Product Description

DIMLA TM 1214 RSPO MB mainly contains alkyldimethylamines with chain length C12 and C14. The product is a clear to slightly yellow liquid at room temperature and has the characteristic odor of fatty amines.

DIMLA TM 1214 RSPO MB is used for the production of:

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

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	
C12	213.41 g/mol
C14	241.46 g/mol
Appearance	Colorless liquid
Autoignition Temperature	235 °C
Boiling Point	276-294 °C
Density	
@ 20°C	0.7914 g/cm ³
Dissociation constant, pKa	
@ 25°C	9.78
Flash Point	
Closed Cup	121 °C
Freezing Point	-21 °C
Octanol-water partition coefficient, log Pow	
@ 20°C	4.7
pH	
5% solution	10.5
Solubility	
Chloroform and isopropylalcohol	Soluble
Organic solvents	Miscible

Water	Insoluble (floats on water)
Surface Tension @ 25°C	25.2 mN/m
Thermal Decomposition Temperature	>150 °C
Vapor Pressure @ 20°C	0.009 hPa
@ 25°C	0.014 hPa
@ 50°C	0.094 hPa
Viscosity @ 20°C	3.39 mPa·s
@ 40°C	2.29 mPa·s

Packaging

- Bulk
- Plastic drums (165 kg net)
- IBC containers (750 kg net)

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, CO₂ 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.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

8/21/2019 8:02:27 AM