Product Description-TDS

Product Name: Dodecylamine

Product Information

CAS No:124-22-1

Molecular Formula:C12H27N

Molecular Weight：185.35

Molecular Structure:

Other Items：

Items	Requirements
Appearance	Colorless liquid
Assay	≥98.0%
Total amine value	280-305mg/g
Freezing point	20-29℃
Iodine value	< 1g/100g

Package:

200kg/iron drum

Application:

It is used to make surfactants, mineral flotation agents, dodecyl quaternary ammonium salts, fungicides, pesticides, emulsifiers, detergents, etc. Intermediates of organic synthesis, used in the production of auxiliaries for textile and rubber, etc. Also used to make ore flotation agent, dodecyl quaternary ammonium salt, fungicide, insecticide, emulsifier, detergent, and disinfectant special agent to prevent skin burns and raise the antibacterial. Used as an active agent in geological analysis, also used in chromatographic analysis. Organic synthesis. Used as a chromatographic fixative. Lauric acid is used as raw material to react with ammonia gas in the presence of catalyst silica gel, and the product is washed, dried, and distilled under reduced pressure to obtain lauric acid. The dodecyl amine is reduced by the hydrogenation of lauric acid catalyzed by activated nickel. The lauronitrile is added to the high-pressure Chemicalbook kettle, and then an appropriate amount of activated nickel is added, and the room air is replaced by nitrogen. Heat to 80°C with stirring, charge hydrogen repeatedly until no more absorption, hold the reaction for 3 h.

Cool, distill the resulting crude product under reduced pressure to obtain dodecylamine.

Storage:

Store in tightly closed containers, cool and dry. Protect from heat, oxygen and light.