

Product Description-TDS

Product Name:N,N-DIMETHYL-P-TOLUIDINE

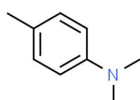
Product Information

CAS No:99-97-8

Molecular Formula:C₉H₁₃N

Molecular Weight : 135.21

Molecular Structure:



Other Items :



Items	Requirements
Appearance	Light yellow oil liquid
Assay of N,N-Dimethyl-p-toluidine	≥99%Min(GC)
Assay of N-methyl- p-toluidine	≤0.5%
p-toluidine	≤0.1%
Water content	≤0.2%

Package:

200kg/Barrel.

Application:

NN-Dimethyl-p-toluidine is a colorless or light yellow oily liquid with rotten egg smell, melting point 130.31°C, boiling point 211.5-212.5°C, weight 0.9287~0.9366g/mL at normal Chemicalbook temperature, refractive index 1.5360~1.5470, insoluble in water, soluble in some organic solvents, decomposing when exposed to light. N, N-dimethyl-p-toluidine is soluble in some organic solvents, decomposed by light, as an effective photoinitiator for acrylonitrile (AN) polymerization; it can also be used to make self-consolidating dental tray water. Aromatic tertiary amines, especially N, N-dimethyl-p-toluidine, are effective photoinitiators for the polymerization of acrylonitrile (AN). N, N-dimethyl-p-toluidine is usually considered as a retarder for alkene polymerization rather than a photoinitiator for acrylonitrile (AN) polymerization. As an effective photoinitiator for acrylonitrile (AN) polymerization, its polymerization rate is proportional to 1.62 times the AN concentration and 0.62 times the DMT concentration. This product is commonly used as an accelerator, in addition to the synthesis of unsaturated polyesters and as an additive

for adhesives, etc. N, N-dimethyl-p-toluidine was synthesized by using dimethyl sulfate as a methylating agent at low temperature and atmospheric pressure. It is used to make self-consolidating dental tray water. A tertiary amine that can be iron-catalyzed oxidative C-C coupled with phenylethynyl and benzamide in the presence of di-tert-butyl peroxide to form N,4-dimethyl-N-(3-phenyl prop-2-onyl)benzylamine, and N-((methyl(p-tolyl)amino)methyl)benzamide, respectively.

Storage:

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

