

TECHNICAL BROCHURE
N° 552200

CHEMICALS

AROMATIC AND ALICYCLIC SOLVENTS

TOLUENE

Toluene is a colourless liquid with a characteristic aromatic odour (smoother than the benzene).

It is generally produced along with benzene, xylenes, and C9 aromatics, from the “catalytic reforming” of naphtha (and finally separated by distillation). It has the highest solvent power among hydrocarbon solvents.

APPLICATIONS

It is used as a solvent for resins, oils, rubber, lacquer, paints and adhesives. It is also used for the production of benzene (through a process of hydrodealkylation, HDA) and phenol. But its main chemical application is the production of TDI (toluene diisocyanate), which is the raw material to manufacture polyurethanes.

SPECIFICATIONS

Analysis	Specifications	Methods
Appearance	Bright, clear liquid, free from sediments	Visual
Density at 15 °C (g/ml)	0.869-0.873	ASTM D4052
Distillation range (°C)	max.1 (incl. 110.6 °C)	ASTM D850
Colour (Pt/Co scale)	max. 20	ASTM D1209 / ASTM D5386
Acid wash colour, max.	Pass with 1	ASTM D848
Acidity	Neutral	ASTM D847
Copper corrosion	Negative	ASTM D849
H ₂ S-SO ₂	Negative	INS_-0006799
Benzene (mg/kg)	max. 700	ASTM D7504
Xylenes (mg/kg)	max. 700	ASTM D7504
Non aromatic hydrocarbons (vol. %)	max. 1.5	ASTM D7504

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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NOTE: product without antistatic additives (typical conductivity < 25 pS/m).