

TOLUENE

CAS NO. 108-88-3

Product Description	Key Features	Application
<ul style="list-style-type: none"> Toluene is a clear liquid and water-insoluble. It is stable under normal temperatures and pressures. It is highly miscible with other common organic solvent. It can be mixed with alcohols, aldehydes, aromatic and aliphatic hydrocarbons, ethers, glycols, glycol ethers and ketones. It is recommended to avoid contact with incompatible materials; acids, rust, catalysts for vinyl polymerisation, 2,5-dimethyl-2,5-di(tertbutylperox) hexane, peroxides, metals salts (e.g., aluminium chloride, copper chlorate, manganese nitrate, etc.) 	<ul style="list-style-type: none"> Highly flammable liquid and vapour Highly miscible with other common organic solvents Insoluble in water Moderate evaporation rate Used in aviation and automotive fuels Used as a solvent 	<ul style="list-style-type: none"> Component of solvent blends and thinners; in gasoline and aviation fuel Solvent for paint, resins, lacquers inks & adhesives The manufacture of chemicals, dyes, explosives, benzoic acid

Properties	Typical Value	Unit	Test Based On
Acidity	No Free Acid	mg NaOH/100 mL	ASTM D 847
Acid Wash Color	No.2 Max	-	ASTM D 848
APHA Color	20 Max	-	ASTM D 5386
Appearance	Clear	-	Visual
Benzene	Report	%wt	ASTM D 2360
C8+ Aromatic	Report	%wt	ASTM D 2360
Copper Strip Corrosion	Pass (1a or 1b)	-	ASTM D 849
Density at 15 °C (in Vacuum)	Report	g/mL	ASTM D 4052
Density at 15 °C (in Air)	Report	g/mL	ASTM D 4052
Density at 30 °C (in Air)	Report	g/mL	ASTM D 4052
Non-Aromatic	1.5 Max	%wt	ASTM D 2360
S.G. at 15.6/15.6	0.869 – 0.873	-	ASTM D 4052
Toluene	Report	%wt	ASTM D 2360
Total Sulfur	1.0 Max	ppm wt.	ASTM D 5453
Water Content	Report	ppm wt.	ASTM D 1744

Distillation	Specification	Unit	Test Based On
Distillation Range	1.0 Max (Include 110.6)	°C	ASTM D 850
Dry Point (DP)	Report	°C	ASTM D 850
Initial Boiling Point (IBP)	Report	°C	ASTM D 850

Notes

The test methods specified above, or their equivalent, will be used. Applicable sampling and testing methods are subject to change without notice and are available for review on request. The values indicated in this document may deviate from the test method requirements by the number of significant figures shown. Results may be based on tank certification, manufacturing data, periodic testing and/or most recent product restock.

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of Union Petrochemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

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