TECHNICAL BROCHURE
Nº 551800

CHEMICALS

AROMATIC AND ALICYCLIC SOLVENTS

BENZENE

Benzene comprises six carbon atoms and six hydrogen atoms in a ring shape structure. It is a clear, colourless, and volatile liquid, with a characteristic aromatic hydrocarbon odour. Industrially is obtained from “reformate”, having numerous applications.

APPLICATIONS

Benzene is used in basic chemistry, generally as raw material for the elaboration of different products: phenol, cyclohexane, styrene, synthetic laundry soap, maleic anhydride, etc.
It is also used in adhesives, synthetic rubber, etc.
It is recommended to prohibit absolutely the use of benzene for the cleaning of pieces, equipment, clothes, any type of fabric, hands, etc., by its high risk for the health and the environment.

SPECIFICATIONS

Analysis	Specifications	Methods
Appearance	Bright, clear liquid free From foreign matter and sediments	Visual
Density at 15 °C (g/ml)	0.8820-0.8860	ASTM D4052
Distillation range (°C)	max. 1 (incl. 80.1 °C)	ASTM D850
Solidification point (°C) (anhydrous base)	min. 5.35	ASTM D852
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
Thiophene (mg/kg)	max. 1	ASTM D4735 / ASTM D7011
H_2S-SO_2	Negative	INS_-0006799
Non aromatic hydrocarbons (wt %)	max. 0.15	ASTM D7504
Purity (wt %)	min. 99.80	ASTM D7504

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

November 2020 REV.: 09

Customer Service:

asistencia.tecnica.quimica@ypf.com

https://www.ypf.com/productosyservicios/Paginas/Quimica.aspx

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY