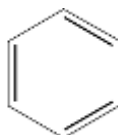


TIQ-F-QC-003

Rev.00

Technical Data Sheet**BENZENE 99 % Extrapure**

Cyclohexatriene; Phenyl hydride



Product Code	B-3015	Grade	Extrapure
Purity	99,0%	CAS No	71-43-2
Molecular Formula	C ₆ H ₆	Molecular Weight	78.11 g/mol
H.S.Code	2902.2000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless
Melting Point/ Freezing point (°C)	5.5 °C	Flash point	-11 °C
Boiling Point	80°C	Vapour pressure (20 °C)	100 hPa (20 °C)
Auto ignition temperature (°C)	498 °C at 1.013,5 hPa	Density (g/cm ³)	0.8765
Solubility in water (% weight)	0.1808 g/l at 23,5°C	Explosion limits – upper (%)	8.00%
Explosion limits-lower (%)	1.4 %	Relative density (25°C)	0.874
Partition coefficient Log Pow octanol / water at 25°C	2.13	Viscosity at 25°C	0.604 mm ² /s at 25°C

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colorless liquid
Assay (GC)	min 99.0 %
Wt. Per ml at 20 °C	0.875 – 0.879 g/cm ³
Colour	max 10 Hazen
Water (H ₂ O)	max 0.1 %
Non-volatile matter	max 0.002 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1114

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H319-H340-H350-H372-H412

Precaution Statement: P210-P273-P301 + P310-P303+P361+P353-P305 + P351 + P338-P331