

CYCLOHEXANOL

Physical and Chemical Properties

CAS Number:	108-93-0
Chemical Formula:	CH ₂ (CH ₂) ₄ CHOH
Other/Generic Names:	Cyclohexyl Alcohol, Hydroxycyclohexane, Hexahydrophenol, Hexalin
Appearance:	Clear, colorless liquid (solid below 25°)
Physical State:	Liquid (solid below 25°)
Molecular Weight:	100.16
Odor:	Camphor-like odor
Specific Gravity:	0.946 @ 30°C (H ₂ O = 1.0)
Solubility in Water:	3.6% @ 20°C (Weight %)
Boiling Point:	161°C (322°F)
Melting Point:	25°C (77°F)
Vapor Pressure:	1 mm Hg @ 20°C
Vapor Density:	3.5 (Air = 1.0)
Evaporation Rate:	< 1 (compared to Butyl Acetate)
% Volatiles:	100
Flash Point:	66°C (150.8°F) Closed cup
Storage:	Store in moisture tight containers in a cool, well ventilated area.

Specifications

Assay	Specification	Test Method
Cyclohexanone, %	0.15 min.	QANAD-0007
Cyclohexanol, %	99.7 max.	QANAD-0009
Water, %	0.10 max.	QANAD-0002
Color, APHA (Pt-Co) units	5 max.	QANAD-0001