

Naxol[®] Cyclohexanol

Description

Naxol[®] cyclohexanol is ideal for applications sensitive to oxygen or peroxide. These range from agricultural products and rubber to plasticizers and solvents. Naxol[®] cyclohexanol has a low toxicity and ecotoxicity profile, and is produced to low moisture standards. It is also available as Naxol[®] W, which offers extra freeze protection at temperatures as low as -5°C (23°F).

Physical and Chemical Properties

Typical Properties	Specifications
CAS Number	108-93-0
Chemical Formula	$\text{CH}_2(\text{CH}_2)_4\text{CHOH}$
Other/Generic Names	Cyclohexyl alcohol, hydroxycyclohexane, hexahydrophenol, hexalin
Appearance	Clear, colorless liquid (solid below 25°C/77°F)
Physical State	Liquid (solid below 25°C/77°F)
Molecular Weight	100.16
Odor	Camphor-like odor
Specific Gravity (20°C/68°F)	0.946 @ 30°C/86°F (H ₂ O = 1.0)
Water Solubility (miscibility), Weight % (Wt. %)	3.6% @ 20°C/68°F
Boiling Point	161°C (322°F)
Melting Point	25°C (77°F)
Vapor Pressure	1 mmHg @ 20°C (68°F)
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.

Product Specifications

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

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

Contact AdvanSix

To learn more about Naxol[®] cyclohexanol, visit

AdvanSix.com/chemicalintermediates or call:

1-844-890-8949 (toll free, U.S./Can.)

+1-973-526-1800 (international)

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