

# Naxol<sup>®</sup> Cyclohexanol

## Description

**Naxol<sup>®</sup> cyclohexanol** is ideal for applications sensitive to oxygen or peroxide. These range from agricultural products and rubber to plasticizers and solvents. Naxol<sup>®</sup> cyclohexanol has a low toxicity and ecotoxicity profile, and is produced to low moisture standards. It is also available as Naxol<sup>®</sup> 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 <sub>2</sub> 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<sup>®</sup> cyclohexanol, visit

[AdvanSix.com/chemicalintermediates](http://AdvanSix.com/chemicalintermediates) or call:

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

**+1-973-526-1800** (international)

Although AdvanSix Inc. believes that the information contained herein is accurate and reliable, it is presented without guarantee or responsibility of any kind and does not constitute any representation or warranty of AdvanSix Inc., either expressed or implied. A number of factors may affect the performance of any products used in conjunction with user's materials, such as other raw materials, application, formulation, environmental factors and manufacturing conditions among others, all of which must be taken into account by the user in producing or using the products. The user should not assume that all necessary data for the proper evaluation of these products are contained herein. Information provided herein does not relieve the user from the responsibility of carrying out its own tests and experiments, and the user assumes all risks and liabilities (including, but not limited to, risks relating to results, patent infringement, regulatory compliance and health, safety and environment) related to the use of the products and/or information contained herein.

### AdvanSix

300 Kimball Drive, Suite 101  
Parsippany, NJ 07054



Naxol<sup>®</sup> is a registered trademark of AdvanSix Inc.  
August 2019-5, Printed in U.S.A.  
©2019 AdvanSix Inc. All rights reserved.