



Specialized in chemicals

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Technical Data Sheet

1,6-Hexanediol

Chemical Name	1,6-Hexanediol
CAS #	629-11-8
Formula	C6H14O2
Molecular Weight	118.17
Synonyms	HEXANE-1,6-DIOL
Chemical Structure	

Description

HDO is a linear, bifunctional, primary alcohol. It is a white waxy solid at room temperature and a clear liquid at temperatures above its melting range.

Melting point, °C .	38-42
Boiling range, °C	250
Density @ 20°C, g/cm ³	0.96
Flash point, °C	137

Specification

Item	Specification
Assay, % min.	99.5
Water, % max.	0.07
Solidification Temperature	42.8
Acid Number, koll/g	0.01
Chromaticity (Hazen60@c)	10
Every Other Impurity	Confirms
Total Impurities, %	0.30

Applications

1,6-Hexanediol is a valuable intermediate product for the chemical industry. It finds application in a variety of polymeric systems and is also used in the synthesis of specialty chemicals. This linear diol contains two primary hydroxyl groups which are terminally located. This configuration results in a rapid and simultaneous reaction in the formation of numerous di-substituted products.

As a solvent, 1,6-Hexanediol can be used in/with

- Microcellular polyurethane
- Cast elastomers
- Fibers
- Adhesives
- Plasticizers
- Dyestuffs
- Cosmetics
- Insecticides
- Surfactants
- Printing inks

Packaging

Waxy solid:

200kg per plastic or iron drum.

16tons(80drum)/20”FCL

Flake:

25kg per pp woven bag

13tons(520bags)/20”FCL

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