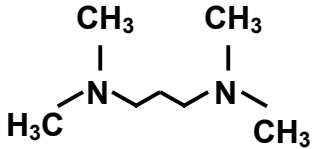


## *N,N,N',N'*-Tetramethyl 1,3 propane diamine



**Empirical Formula** C<sub>7</sub>H<sub>18</sub>N<sub>2</sub>

**Molecular Weight** 130.24

**CAS #** 110-95-2

### General Description

### Applications

- Catalysts

### Physical Properties

Chemical Synonym	TMPDA
Specific Gravity @39°F (4°C)	0.79
Liquid Density	
lb/gal @68°F	6.52
g/ml @20°C	0.78
Freezing Point	
°F@1atm	<-58
°C@1atm	<-50
Vapor Pressure mm Hg	
@68°F	3
kPa @20°C	0.43
Vapor Pressure mm Hg	
@104°F	11
kPa @40°C	1.50
Normal Boiling Point	
°F	292.68
°C	144.82
Critical Temperature	
°F	602.80
°C	317.11
Critical Pressure	
atm	25.30
kPa	2563
Flash Point,Closed Cup	
°F	86.9
°C	30.50
kPa	9.66
Latent Heat of Vaporization Btu/lb	
@ 1atm J/G	126.37
@ 1 atm	293.92

**North America**

Air Products and Chemicals, Inc.  
Industrial Chemicals Division  
7201 Hamilton Boulevard  
Allentown, PA 18195-1501 U.S.A.  
Tel 800-345-3148  
(Outside the U.S. and Canada 610-481-6799)  
Fax 610-481-4381  
<http://www.airproducts.com/amines>

**Europe**

Air Products Chemicals Division Europe  
c/o Air Products Nederland B.V.  
Kanaalweg 15  
P.O. Box 3193  
3502 GD Utrecht  
Netherlands  
Tel 31-30-2857100  
Fax 31-30-2857111

**Air Products Gases Industriais Ltda. (APGIL)**

Praca Radialista Manoel de Nobrega, 65  
Casa Verde  
02517-160 São Paulo-SP  
Brazil  
Tel 55-11-3856-1669  
Fax 55-11-3856-1781

**Asia**

Air Products Asia, Inc.  
Suite 6505-7, Central Plaza  
18 Harbour Road  
Wanchai, Hong Kong  
Tel 852-2527-0515  
Fax 852-2527-1957

Air Products Japan, Inc.  
3-18-19, Toranomon, Minato-Ku  
Tokyo 105  
Japan  
Tel 81-3-3432-7036  
Fax 81-3-3432-7052

**tell me more**  
**[www.airproducts.com](http://www.airproducts.com)**