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Properties Of

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Properties Of

Aqueous Ethylene Glycol

Structure and
properties. Structure
and properties ...

Freezing point of
aqueous solutions %
ethylene glycol by
volume 5: 10: 15: 20:
25: 30: 35: 40: 45: 50
Freezing point °C -1.1
-2.2 ... Vapor-liquid
equilibrium for
ethylene glycol/water P
= 760 mmHg BP temp.

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Properties Of
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°C % by mole water
liquid vapor 110.00:
79.8: 99.3 116.40: 61.3
...

**Ethylene glycol
(data page) -
Wikipedia**

Research Article
Volumetric Properties
of Aqueous Solutions of
Ethylene Glycols in the
Temperature Range of
293.15 318.15K OmerE
I-AminAhmedAdam, 1,2
AmmarHaniAl-Dujaili, 1
andAkIM.Awwad 3

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Properties Of Aqueous Ethylene Glycol Solutions

Department of
Chemistry, College of
Education for Pure
science/Ibn Al-Haitham,
University of Baghdad,
P.O. Box ,

Research Article

Volumetric

Properties of

Aqueous ...

1. Cryobiology. 2004
Jun;48(3):283-94.

Thermal properties of
ethylene glycol
aqueous solutions.

Baudot A(1), Odagescu

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V. Author information:
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166, 38042 Grenoble,
Cedex 9, France. anne.
baudot@grenoble.cnrs.
fr Preventing ice
crystallization by
transforming liquids
into an amorphous
state, vitrification can
be considered as the
most suitable
technique allowing
complex tissues ...

**Thermal properties
of ethylene glycol**

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aqueous solutions.

Boutron and Kaufmann studied the aqueous solution with 45% (w/w) ethylene glycol and ternary solutions with water, glycerol, and ethylene glycol, using a differential scanning calorimeter. Later, Hayes and Pegg [18] determined temperature-time-transition curves of ethylene glycol/water solutions.

Thermal properties

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**of ethylene glycol
aqueous solutions ...**

Densities of aqueous solutions of Ethylene glycol (EG), diethylene glycol (DEG), and triethylene glycol (TEG) were measured at temperatures from 293.15 to 318.15 K and molalities ranging from 0.0488 to 0.5288 mol·kg⁻¹. Volumes of all investigated solutions at a definite temperature were linearly dependent on

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the solute molality;
from this dependence
the partial molar
volumes at infinite ...

**Volumetric
Properties of
Aqueous Solutions
of Ethylene ...**

M.T. Zafarani-Moattar,
E. Nemati-Kande
Study
of liquid-liquid and
liquid-solid equilibria of
the ternary aqueous
system containing poly
ethylene glycol
dimethyl ether 2000

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Properties Of

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and tri-potassium
phosphate at different
temperatures
experiment and
correlation

Thermodynamic properties of aqueous poly(ethylene glycol

...

Ethylene glycol, also called ethane-1,2-diol, the simplest member of the glycol family of organic compounds. A glycol is an alcohol

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with two hydroxyl groups on adjacent carbon atoms (a 1,2-diol). The common name ethylene glycol literally means “the glycol derived from ethylene.”

ethylene glycol | Properties, Uses, & Structure | Britannica

Ethylene Glycol 3
9/12/13 Ethylene
Glycol: HOCH₂CH₂
OH CAS Registry

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Properties Of

Aqueous Ethylene Glycol Solutions

Number: 107-21-1

Synonyms: 1,

2-Ethanediol Glycol EG

Monoethylene glycol

Ethylene glycol is a colorless, practically odorless, low-

Ethylene Glycol - MEGlobal

Ethylene Glycol based water solutions are common in heat-transfer applications where the temperature in the heat transfer fluid can be below 32 o

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F (0 o C). Ethylene glycol is also commonly used in heating applications that temporarily may not be operated (cold) in surroundings with freezing conditions - such as cars and machines with water cooled engines.

Ethylene Glycol Heat-Transfer Fluid - Engineering ToolBox

Production Industrial routes. Ethylene glycol

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Properties Of

Aqueous Ethylene

is produced from ethylene (ethene), via the intermediate ethylene oxide. Ethylene oxide reacts with water to produce ethylene glycol according to the chemical equation: . C₂H₄O + H₂O → HO-CH₂-CH₂-OH. This reaction can be catalyzed by either acids or bases, or can occur at neutral pH under elevated temperatures.

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Ethylene glycol - Wikipedia

Thermal properties of
ethylene glycol
aqueous solutions*1 ...

Thermal properties of
ethylene glycol
aqueous solutions. The
ethylene glycol either
gains energy from the
source (lake, ocean,
water well) or
dissipates heat to the
sink, depending on
whether the system is
being used for heating

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Properties Of

Aqueous Ethylene

or cooling. Pure ethylene glycol has a specific heat ...

Thermal Properties Ethylene Glycol Aqueous Solutions

Effect of ethylene glycol and its derivatives on the aggregation properties of reactive Orange 13 dye aqueous solution
Yong Qi , † a Ruyi Xie ,
† a Aihong Yu , a Mohd Nadeem Bukhari , a
Liyuan Zhang , a

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Properties Of

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Chuangui Cao , a Hui
Peng , a Kuanjun Fang
* a and Weichao Chen
* a

Effect of ethylene glycol and its derivatives on the ...

Volumetric and ultrasonic studies on interactions of ethylene glycol, diethylene glycol and triethylene glycol in aqueous solutions of glycerol at temperatures $T = (293.15 \text{ K} - 308.15) \text{ K}$.

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The Journal of Chemical
Thermodynamics 2018
, 125 , 93-106.

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Thermal Properties Ethylene Glycol Aqueous Solutions

The density, viscosity, and thermal conductivity of ethylene glycol + water, diethylene glycol + water, and

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Properties Of Aqueous Ethylene Glycol Solutions

triethylene glycol + water mixtures were measured at temperatures ranging from 290 K to 450 K and concentrations ranging from 25 mol % glycol to 100 mol % glycol. Our data were generally in agreement with the limited data available in the literature and were correlated using simple ...

Density, Viscosity,
Page 22/26

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**and Thermal
Conductivity of
Aqueous ...**

Ethylene Glycol 5

Responsible Care

MEGlobal embraces
and advocates

Responsible Care®, a
voluntary industry-wide
commitment to safely
handle our chemicals
from inception

**Ethylene Glycol -
MEGlobal**

Viscometric properties
of aqueous solutions of

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Properties Of Aqueous Ethylene Glycol Solutions

Poly (ethylene) glycols
at 15 0C *Rajendra
Joshi and Narain Datt
Kandpal Physical
Chemical Laboratory,
Department of
Chemistry S.Sj.,
Campus Almora (U.K.),
India _____ ABSTRACT
The viscosities of Poly
(ethylene) glycols
having molecular
weight 200, 400, 2000
and 4000 have been
determined

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**properties of
aqueous solutions of
Poly ...**

DOI:

10.1021/IE4019353

Corpus ID: 42215218.

Ethylene Glycol and Its
Mixtures with Water
and Electrolytes:

Thermodynamic and
Transport Properties @
article{Wang2013Ethyl
eneGA, title={Ethylene
Glycol and Its Mixtures
with Water and
Electrolytes:

Thermodynamic and

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Aqueous Ethylene
Transport Properties},
author={P. Wang and
Jerzy Kosinski and A.
Anderko and R.
Springer and M. Lencka
and J. Liu},
journal={Industrial ...

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