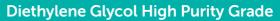
PRODUCT DATA SHEET



Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Diethylene Glycol CAS number : 111-46-6Formula : $C_4H_{10}O_3$

Diethylene glycol is an organic compound. It is a colorless, practically odorless, poisonous, and hygroscopic liquid with a sweetish taste. It is miscible in water, alcohol, ether, acetone, and ethylene glycol. Compared to MEG, it has a higher boiling point, viscosity, and specific gravity.

APPLICATIONS:

- Polyester resins, polyurethanes, plasticizers
- Antifreeze additive
- Softening Agent
- Chemical intermediates

Solvents Coupler

- Unsaturated polyester resins
- Heat transfer agents or fluids
- Humectants

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Molecular weight	g/mol	106.12
DEG content	wt%, min	99.0
Acidity	wt%, max	0.002
Boiling Point @ 760 mm Hg	°C	238-251
Specific Gravity @ 20/20°C	-	1.1170-1.1200
Refractive Index @ 20°C	nD	~1.44-1.45
Vapor Pressure @ 20°C	mmHg	0.06-0.08
Viscosity, dynamic @ 20°C	cP	~35-38
Surface tension @ 25°C	dynes/cm	~44-45
Solubility in Water @ 20°C	wt%	100
Electrical Conductivity @ 20°C	micromhos/cm	0.0042

*These properties are typical but do not constitute specifications.

FOR MORE INFORMATION

Please contact PETRONAS Chemicals Group Berhad (PCGB)

Level 33, Tower 1, PETRONAS Twin Towers, Kuala Lumpur City Centre, 50088, KUALA LUMPUR, MALAYSIA. Tel: +(603) 20515000 or visit our site <u>https://www.petronas.com/pcg/</u> Sales contact person; Tel: +(603) 2331 6063, Email: <u>jiahaur.chong@petronas.com.my</u>



MS ISO 9001:2000 REG. NO. AR4.088 (DERIVATIVES PLANT)

IMPORTANT NOTICE:

Information contained in this document is accurate and reliable to the best of the knowledge and belief of PETRONAS Chemical Group Berhad. The suggestions and recommendations offered herein serve as a guide in the use of these material and cannot be guaranteed because the conditions of use are beyond PCGB's control. PCGB assumes no responsibility for the use of information supplied, the application, adaption or processing of the products described herein and here by disclaims all liability (except as otherwise provided by the law) in regard to such use.



