



TECHNICAL DATA SHEET

EQUILEX CHEMICALS BV

Jan van Galenstraat 54

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The Netherlands

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PROPYLENE GLYCOL TECHNICAL QUALITY MIN. 99.5%

PRODUCT IDENTIFIER

NAME	Propane-1,2-diol
CAS No:	57-55-6
EC No	200-338-0
PRODUCT DESCRIPTION:	PROPYLENE GLYCOL OBTAINED BY CATALYTIC HYDROGENOLYSIS OF DISTILLED GLYCERINE (99.7%)
ORIGINS	RENEWABLE RAW MATERIALS
CONTENT	> 99.5%

SPECIFICATION

Parameter	Value	Unit	Method
Content of propylene glycol (1,2-propanediol)	> 99.5	wt%	PM 488
Water content	< 0.2	wt%	Eur.Ph.10/430 p.2.5.12
Ethylene glycol content	< 500	wt ppm	USP 43
Acid value	< 0.02	mg KOH/g	PM 158
Refractive index	1.431-1.433	-	Eur.Ph.10/430 p.2.2.6
Density	1.035-1.040	g/mL	PM 379
Boiling range	184-189	°C	Eur.Ph.10/430 p.2.2.12
Colour APHA	< 10	Hazen	PN EN ISO 6271
Heavy metals content	≤ 5	ppm (m/v)	Eur.Ph.10/430 p.2.4.8
Oxidizing substances content	complies	-	Eur.Ph.10/430-1
Reducing substances content	complies	-	Eur.Ph.10/430-2
Sulphated ash content	< 70	wt ppm	Eur.Ph.10/430 p.2.4.14
Sulphate content	≤ 60	wt ppm	PM 621
Chloride content	≤ 70	wt ppm	PM 621



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PROPERTIES

Properties	Value	Unit
Physical state	Liquid	
Colour	Colourless	
Odour	Odourless	
pH of the aqueous extract	5-7	
Flash point	> 100	°C
Auto-ignition temperature	> 400	°C
Viscosity (at 25°C)	40-45	mm ² /s
Molecular Weight	76.10	g/mol

APPLICATIONS

MAIN USE

PROPYLENE GLYCOL IS USED AS A RAW MATERIAL IN THE INDUSTRY FOR TECHNICAL APPLICATIONS. EXEMPLARY APPLICATION: PRODUCTION OF COOLANT OR DEICING/ANTI-ICING FLUID. IT CAN BE USED IN THE PRODUCTION OF UNSATURATED POLYESTER RESINS.

STORAGE AND TRANSPORT

STORAGE

STORE ONLY IN ORIGINAL, TIGHTLY CLOSED CONTAINERS. STORE IN A WELL-VENTILATED PLACE. PROTECT FROM AIR, MOISTURE AND LIGHT.

TRANSPORT

PROPYLENE GLYCOL IS NOT A HAZARDOUS MATERIAL ACCORDING TO RID/ADR.

PLACE OF DISPATCH

TRZEBINIA

PACKAGING AVAILABLE

DRUM 220 L, IBC CONTAINER 1000 L, BULK

INFORMATION ON POTENTIAL RISKS

INFORMATION ON POTENTIAL HAZARDS ASSOCIATED WITH THE SUBSTANCE AND METHODS FOR PREVENTING THEM CAN BE FOUND IN THE SAFETY DATA SHEET.