Propylene Dichloride

1. IDENTIFICATION

CHEMICAL NAME: 1,2-dichloropropane

CHEMICAL FORMULA: $C_3H_6Cl_2$

CAS No.: 78-87-5

EINECS No.: 201-152-2

2. FEATURES

GENERAL PROPERTIES	METHOD	UNITS	MIN	MAX
Colour, Pt-Co	ASTM D1209	PtCo		30
Density at 20ºC	ASTM D4052	g/mL	1.15	1.16
Assay, G.C. (Propylene Dichloride)	ASSAY	%	99.0	
Water content, KF, organic liquids	ASTM E1064	%		0.05
Assay, Epichlorohydrin	ASSAY	%		0.3
Acidity (HCl) with BBT indicator	ASTM D2983	%		0.05
Distilation, 95% volume Minimum temp	ASTM D1078	ºC	94	
Distilation, 95% volume Maximum temp	ASTM D1078	ºC		97

CHEMICAL AND PHYSICAL PROPERTIES	
Appearance	Colourless liquid
Colour	Colourless
Odour	Chloroform
Solubility	Miscible with: organic solvents
Initial boiling point and boiling range	95.5 – 96.5 (760 mmHg)
Melting point (ºC)	-100
Relative density	1.16
Vapour pressure	49.67 mmHg (25)
Flash point (ºC)	13-15 CC (Closed cup)
Auto-ignition temperature (ºC)	557

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