



Armand Products Company
500 Charles Ewing Boulevard, Ewing, NJ 08628
Phone: 609 806 1602 Fax: 609 403 7280

Technical Service
Phone: 800 733 1165 Option 2

Potassium Carbonate Liquid Product

TECHNICAL INFORMATION

General Properties of ARMAND PRODUCTS Brand Potassium Carbonate

Empirical Formula	K ₂ CO ₃
CAS Number	584 - 08 - 7
Molecular Weight.....	138.21
Fire and Explosion Data	Not combustible. No flash point.

Liquid Product Properties

Solution Appearance	Water White
Freezing Point.....	47% solution: 3°F (-16.1°C) 40% solution: -33°F (-36.1°C)
Boiling Point	47% solution: 234°F (112°C) 40% solution: 227°F (108°C)
Specific Gravity	1.495 for 47% solution at 70°F (21.1°C)
Density	12.484 lb./gal. for 47% solution at 60°F (15.6°C)
Viscosity	10.4 cps for 47% solution at 68°F (20°C)
Alkali Equivalent.....	1 lb. 47% solution = 0.320 lb. K ₂ O
Acid Equivalent.....	1 lb. 47% solution = 0.248 lb. pure HCl
pH, 1% Solution at 72°F (22°C)	Approximately 11.5
pH, 47% Solution at 72°F (22°C)	Approximately 12.6

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