



American International Chemical, Inc.

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SPECIFICATION SHEET

2-CYANOETHYL-N,N,N',N'-TETRAISOPROPYLPHOSPHORODIAMIDITE

Code No.	SCN No.	CAS No.	Effective Date	Written	Rev. No.	Approved
PMTCUL	1625	102691-36-1	July 24, 2003	EDA	No. 2	RVK

CHARACTERISTICS:	Clear liquid, free of foreign/particulate matter
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MOLECULAR FORMULA:	C ₁₅ H ₃₂ N ₃ OP
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MOLECULAR WEIGHT:	301.42 g/mol
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SPECIFICATIONS:	Identity	³¹ P NMR-peak at 124.0 ± 2.0 ppm
	Purity	³¹ P NMR-peak in range of 121.7-125.5 ppm greater than or equal to 96.5%
	Purity	Greater than 98% by GC
	Color	APHA Pt-Co Standard No. of less than 150

STOCKING POINTS:	Natick, MA
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PACKAGING:	Packaged according to customer requirements in amber bottles, sealed under argon.
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HAZARD IDENTIFICATION:	NA 1993 (Ground Transportation) Combustible Liquid n.o.s. UN 1993 (Air Transportation) Flammable Liquid n.o.s. PG III
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APPLICATIONS:	Used for the production of phosphoramidites used in oligonucleotide synthesis.
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OTHER:	Air and Moisture sensitive. Store at 0-10°C for up to one year in unopened bottle.
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