



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### 4,5-DICYANOIMIDAZOLE (DCI)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
DCIHCC	3280	1122-28-7	June 3, 2010	RIWII	No. 1	MVL

<b>CHARACTERISTICS:</b>	White to off white crystalline powder
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<b>MOLECULAR FORMULA:</b>	$C_2H_2N_4$
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<b>MOLECULAR WEIGHT:</b>	118.1 g/mole
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SPECIFICATIONS:	Purity (HPLC)	99.0% min
	Melting point	173.0-178.0°C
	Solubility (1 molar in acetonitrile)	Clear colorless solution without any particulates
	Water content (KF)	300 ppm max
	APHA (1M in ACN)	30 max
	Identification IR spectrum	Conforms

<b>STOCKING POINTS:</b>	Framingham, MA
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<b>PACKAGING:</b>	10 kg pail
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<b>APPLICATIONS:</b>	Activator in nucleic acid synthesis
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