



American International Chemical, Inc.

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SPECIFICATION SHEET

CEROUS NITRATE HEXAHYDRATE

Code No.	SCN No.	CAS No.	Effective Date	Written	Rev. No.	Approved
CENUTG	3120	10294-41-4	May 21, 2009	MR	Rev. 1	RVK

CHARACTERISTICS:	Colorless, deliquescent crystals. Soluble in water, alcohol and acetone. Loses three crystalline water molecules at 150°C and decomposes at 200°C. Strong oxidizing agent.
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MOLECULAR FORMULA:	Ce(NO ₃) ₃ •6H ₂ O
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MOLECULAR WEIGHT:	434.12
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SPECIFICATIONS:	TREO	39% +/- 1%
	CeO ₂ /TREO	99.9% min
	Calcium	15 ppm max
	Iron	15 ppm max
	Chloride	100 ppm max

HAZARD IDENTIFICATION:	Nitrates; Inorganic; N.O.S.; Hazard class 5.1; UN1477; PGII; Oxidizer
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APPLICATIONS:	Incandescent gas mantles, catalyst in hydrolysis of phosphoric acid esters, medicines and reagents.
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