



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### CALCIUM PEROXIDE (IXPER 75C)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CPO75C	2949	1305-79-9	March 5, 2012	GEM	No. 1	MPR

<b>CHARACTERISTICS:</b>	A white or off white, odorless, tasteless powder. It decomposes in moist air and is practically insoluble in water.
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<b>SPECIFICATIONS:</b>	Identification	Gives a positive test for calcium
	Assay	75% min
	Fluoride	50 ppm max
	Lead	4 mg/kg max
	Particle Size Thru a 200 mesh	98% min

<b>STOCKING POINTS:</b>	Farmingdale, NJ
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<b>PACKAGING:</b>	25 kg carton; 18 per pallet
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<b>HAZARD IDENTIFICATION:</b>	UN 1457, 5.1, PG II, Oxidizer
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<b>APPLICATIONS:</b>	<p>The reactivity of Calcium Peroxide is due to its ability to generate H<sub>2</sub>O<sub>2</sub> and oxygen.</p> <p>The H<sub>2</sub>O<sub>2</sub> released can be used for oxidation reactions including:</p> <ul style="list-style-type: none"><li>• Degradation of organic products and polymers as in soil remediation and the use as breaker in oil exploration.</li></ul> <p>The oxygen released can be used in a variety of applications</p> <ul style="list-style-type: none"><li>• In soil and groundwater assisted natural attenuation, it can maintain the aerobic conditions necessary to enhance biological activity.</li><li>• In agriculture, it provides the oxygen needed for seed germination and root growth</li><li>• In bodies of water, it can replenish dissolved oxygen</li></ul> <p>Additional benefits include the regulation of pH in various systems such as pond water and sediments.</p>
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<b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b>	Store in a dry location away from heat and direct sunlight in original containers. Do not stack pallets.
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