



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### DMDM HYDANTOIN

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
HYDKCL	3280	6440-58-0	December 22, 2011	MDS	No. 2	CDS

<b>CHARACTERISTICS:</b>	Clear colorless liquid, with a slight odor of formaldehyde that is miscible with water, acetone, alcohol and glycol.
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<b>SPECIFICATIONS:</b>	Active ingredients (DMDM Hydantoin)	55% min
	Water	42-45%
	Total formaldehyde	17.0-20.0%
	Free formaldehyde	1.0 % max
	pH (10% solution @ 25° C)	6.0-8.0
	Density (D4 20° C)	1.15-1.17
	Color (APHA)	Less than or equal to 20

<b>PACKAGING:</b>	25 kg, 50 kg, 200 kg HMHDPE plastic drums
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<b>APPLICATIONS:</b>	<p>DMDM Hydantoin is a broad-spectrum anti-microbial agent, effective against fungi, yeast and gram-positive and gram-negative bacteria. Recommended dosage: 0.1~0.3, temperature: under 50°C.</p> <p>It is used in shampoos and cosmetics to prevent molds, mildews, and bacterial spoilage. It works by releasing formaldehyde into the product. Also used in treatment of foot rot in cattle and sheep, for finishing of cotton fabrics, as a preservative in cutting fluids, in printing inks to impart improved flow ability and storability.</p>
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<b>OTHER:</b>	Shelf life: retest 3 years after date of manufacture
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