



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### DMDM HYDANTOIN

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Written By	Rev. No.	Approved By
HYDHIL	2100	6440-58-0	September 26, 2006	MDS	MDS	Original	TJK

<b>CHARACTERISTICS:</b>	Clear colorless liquid, with a slight odor of formaldehyde that is miscible with water, acetone, methanol, and ethanol.
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<b>SPECIFICATIONS:</b>	Active ingredients	55% min
	Water	45% max
	Total formaldehyde	17.0-18.0%
	Free formaldehyde	1.0 %max
	Color (APHA)	10 max
	pH (4% solution @ 25° C)	6.5-7.5
	Density (at 25° C)	1.14-1.16

<b>PACKAGING:</b>	25 kg, 50 kg, 200 kg HMHDPE plastic drums
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<b>APPLICATIONS:</b>	DMDM Hydantoin is a broad-spectrum anti-microbial agent, effective against fungi, yeast and gram-positive and gram-negative bacteria. 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.
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<b>OTHER:</b>	Shelf life retest after 3 years
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