



**MATERIAL SAFETY DATA SHEET**  
**DMDM HYDANTOIN**

**1 PRODUCT & COMPANY IDENTIFICATION**

<b>Product Name:</b>	DMDM Hydantoin	<b>Supplier:</b>	ASES CHEMICAL WORKS.
<b>INCI Name:</b>	Dimethyl Dimethylol Hydantoin	<b>Address:</b>	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
<b>CAS Number:</b>	6440-58-0	<b>Phone:</b>	+91-9636889954
<b>Formula:</b>	C <sub>7</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub>	<b>Web:</b>	www.ases.in
<b>Product Form:</b>	Liquid	<b>Email :</b>	ecom@ases.in
<b>Product Use:</b>	Cosmetic use		

**2 HAZARDS IDENTIFICATION**

<b>GHS Classification:</b>	Skin Sens. 1, H317	Carc. 1B, H350
<b>Label elements</b>	 	GHS Signal Word(s): Danger
<b>GHS Hazard Pictograms:</b>		
<b>GHS Hazard Statements:</b>	H317 – May cause an allergic skin reaction H350 – May cause cancer	
<b>GHS Precautionary Statements:</b>	P201 – Obtain special instructions before use P261 – Avoid breathing dust/fume/gas/mist/vapors/spray P280 – Wear protective gloves. Wear eye or face protection. Wear protective clothing. P308 + P313 – IF exposed or concerned: Get medical attention. P302 + P352 – IF ON SKIN: Wash with plenty of soap and water. P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.	
<b>Potential Health Hazards:</b>	Eyes: No known significant effects or critical hazards. Inhalation: No known significant effects or critical hazards. Skin: May cause an allergic skin reaction. Ingestion: No known significant effects or critical hazard	

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No.	EC No	Weight %
Dimethyl Dimethylol Hydantoin	6197-30-4	229-222-8	54-56%
Water	7732-18-5	231-791-2	44-46%
Formaldehyde	50-00-0	200-001-8	<2%

**4 FIRST AID MEASURES**

<b>Inhalation:</b>	When symptoms occur: go into open air and ventilate suspected area. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Skin:</b>	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.
<b>Eye:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
<b>Instigation:</b>	Rinse mouth. Do NOT induce vomiting. Seek medical attention.

**5 FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire.
<b>Unsuitable extinguishing media</b>	Do not use water
<b>Flash Points:</b>	>200°F
<b>Fire hazard</b>	Carbon dioxide, carbon monoxide, nitrogen oxides.
<b>Advice for firefighters</b>	Wear self-contained, approved breathing apparatus and full protective clothing.

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#### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions :</b>	Do not try to clean up the leak without proper protective equipment.
<b>Environmental Precautions:</b>	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
<b>Clean up procedure :</b>	Collect spillage. Clear up spills immediately and dispose of waste safely.

#### 7 HANDLING & STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product
<b>Storage:</b>	Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	General industrial hygiene practice.
<b>Eye protection:</b>	Wear chemical safety glasses or goggles.
<b>Skin and body protection :</b>	Handle with gloves, Use Impervious clothing.
<b>Respiratory protection :</b>	In case of inadequate ventilation wear respiratory protection.

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Clear liquid	Vapour density:	No data available
Odour :	Odorless	Solubility : Water:	Soluble in water
Colour:	Clear	Flash point :	> 200°F
pH :	6.5-7.5	Evaporation Rate:	No data available
Melting/Freezing point :	No data available	Specific Gravity:	1.125 @ 25%
Boiling point :	No data available	Flammability (solid, gas) :	No data available
Vapour pressure :	No data available	Partition coefficient (n octanol / water)	-2.37

#### 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur under normal conditions of storage and use.
<b>Conditions to Avoid:</b>	Keep sources of ignition, heat, sparks, and flame at a distance.
<b>Incompatible Materials:</b>	Strong acids, strong alkalis, oxidizing materials.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, nitrogen oxides

#### 11 TOXICOLOGICAL INFORMATION

<b>Acute toxicity :</b>	No data available
<b>Skin:</b>	May cause an allergic skin reaction
<b>Eyes:</b>	No known significant effects or critical hazards
<b>Respiratory:</b>	No known significant effects or critical hazards
<b>Ingestion:</b>	No known significant effects or critical hazards
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>STOT – single/repeated exposure:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available.

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#### 12 ECOLOGICAL INFORMATION

<b>Etoxicity:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Results of PBT and vPvB assessment:</b>	No data available
<b>Other adverse effects:</b>	No data available

#### 13 DISPOSAL CONSIDERATIONS

**Waste Residues/ Product Containers:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

#### 14 TRANSPORT INFORMATION

**DOT/IATA/TDG/ICAO:** Not regulated as a dangerous good

#### 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	All components are listed or exempt
<b>DSCL (EEC):</b>	No data available
<b>WHMIS (Canada):</b>	All components are listed or exempt

#### 16 OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASSES CHEMICAL WORKS assume no liability resulting from its use.