

## DMDM Hydantoin

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 06/10/2019  
Supersedes: 03/22/2017

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b> DMDM Hydantoin	<b>Distributor:</b> MakingCosmetics Inc.
<b>Synonyms:</b> No data available	<b>Address:</b> 10800 231 <sup>st</sup> Way NE
<b>INCI Name:</b> DMDM Hydantoin	Redmond, WA 98053 (USA)
<b>CAS Number:</b> 6440-58-0	<b>Phone / Fax:</b> 425-292-9502 / 425-292-9601
<b>Formula:</b> No data available	<b>Web:</b> <a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Product Form:</b> Liquid	
<b>Product Use:</b> Cosmetic use	<b>Emergency Telephone Number:</b> 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Skin Sens. 1, H317  
Carc. 1B, H350

**GHS Labeling:** Hazard Pictogram



**GHS Signal Word(s):** Danger

**GHS Hazard Statements:** H317 - May cause an allergic skin reaction  
H350 - May cause cancer

**GHS Precautionary Statements:** 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.

**Potential Health Hazards:** 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 hazards.

**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
1,3-Dihydroxymethyl-5, 5-dimethylhydantoin	6440-58-0	54-56%	Not Available
Water	7732-18-5	44-46%	Not Available
Formaldehyde	50-00-0	<2%	Not Available

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of water for at least 15 minutes and seek medical attention if necessary. Check for and remove any contact lenses.

**Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult. If not breathing or breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained professional. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.

**Skin:** Flush with plenty of water and wash using soap. Remove contaminated clothing and shoes. Wash contaminated clothing for 10 minutes before removing, or wear gloves. Get medical attention if irritation occurs.

**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Remove dentures if necessary. If material has been swallowed and exposed person is conscious, give small quantities of water to drink. Stop if exposed person feels sick, as vomiting may be dangerous. If vomiting occurs, the head should be held low so that vomit does not enter the lungs. Seek medical attention. Loosen tight clothing such as a collar, tie, belt, or waistband.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

**Flash Points:** >200°F

**Specific hazards arising from the chemical:** Hazardous decomposition may occur. Decomposition products may include: carbon dioxide, carbon monoxide, nitrogen oxides

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. If water-insoluble, absorb with inert dry material. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:** Store in cool, dry well-ventilated area. Keep away from heat, incompatible materials (see section 10 for incompatibilities), and food/drink.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
DMDM Hydantoin	Not available		
Formaldehyde	STEL: 2.5 mg/m <sup>3</sup> 15 minutes		EH40/2005 WELs
	STEL: 2 ppm 15 minutes		EH40/2005 WELs
	TWA: 2 ppm 8 hours		EH40/2005 WELs
	TWA: 2.5 mg/m <sup>3</sup> 8 hours		EH40/2005 WELs

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Safety eyewear complying with an approved standard should be worn when a risk assessment indicates necessary.

**Inhalation:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard/

**Body:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times. Personal protective equipment for the body should be selected based on the task being performed and risks assessed.

**Other:** Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and risks assessed.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Clear liquid	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Clear	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	6.5-7.5	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	1.125 @ 25%
<b>Melting Point:</b>	No data available	<b>Solubility:</b>	Soluble in water
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Percent Volatile:</b>	45% (by weight)

## 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>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Aquatic Vertebrate:</b>	No data available
<b>Aquatic Invertebrate:</b>	No data available
<b>Terrestrial:</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>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
------------------------	--

**Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

#### 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	No data available
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated
<b>IATA (International Air Transport Association):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	No data available

#### 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
<b>EU EINECS/ELINCS/NLP:</b>	Annex XVII - Restricted to professional users. Formaldehyde - Carc. 1B, H350; Muta. 2, H341
<b>China IECSC:</b>	All components are listed or exempt
<b>China IECIC (06.30.2014):</b>	All components are listed or exempt
<b>Australia AICS:</b>	All components are listed or exempt
<b>New Zealand NZIoC:</b>	All components are listed or exempt

#### 16 OTHER INFORMATION

<b>Revision Date:</b>	06/10/2019
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.