

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

Product Name: DMDM Hydantoin
Synonyms: No data available
INCI Name: DMDM Hydantoin
CAS Number: 6440-58-0
Formula: No data available
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 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
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.

GHS Precautionary Statements:

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

Component	CAS No.	Weight %	Molecular Weight
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 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 ³ 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 ³ 8 hours		EH40/2005 WELs

TWA: Time Weighted Average over 8 hours of work.

STEL: Short Term Exposure Limit during x minutes.

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

IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CELL: 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

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

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	May cause an allergic skin reaction
Eyes:	No known significant effects or critical hazards
Respiratory:	No known significant effects or critical hazards
Ingestion:	No known significant effects or critical hazards
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available

Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues: 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

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

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components are listed or exempt
DSDL (EEC):	No data available
WHMIS (Canada):	All components are listed or exempt
California Prop. 65	WARNING: This product contains chemicals (formaldehyde) known to the State of California to cause cancer.
EU EINECS/ELINCS/NLP:	Annex XVII - Restricted to professional users. Formaldehyde - Carc. 1B, H350; Muta. 2, H341
China IECSC:	All components are listed or exempt
China IECIC (06.30.2014):	All components are listed or exempt
Australia AICS:	All components are listed or exempt
New Zealand NZIoC:	All components are listed or exempt

16 OTHER INFORMATION

Revision Date: 06/10/2019

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: 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.