DMDM Hydantoin

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 Hazard Pictograms: 
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 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: P301 - Keep out of reach of children.
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):

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Molecular Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dihydroxymethyl-5, 5-</td>
<td>6440-58-0</td>
<td>54-56%</td>
<td>Not Available</td>
</tr>
<tr>
<td>dimethylhydantoin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>44-46%</td>
<td>Not Available</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>&lt;2%</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

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 to so that vomit does not enter the lungs. Seek medical attention. Loosen tight clothing such as a collar, tie, belt, or waistband.

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**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

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**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.

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**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.

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**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMDM Hydantoin</td>
<td>Not available</td>
<td></td>
<td>EH40/2005 WELs</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>STEL: 2.5 mg/m³ 15 minutes</td>
<td></td>
<td>EH40/2005 WELs</td>
</tr>
<tr>
<td></td>
<td>STEL: 2 ppm 15 minutes</td>
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</tr>
<tr>
<td></td>
<td>TWA: 2 ppm 8 hours</td>
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</tr>
<tr>
<td></td>
<td>TWA: 2.5 mg/m³ 8 hours</td>
<td></td>
<td>EH40/2005 WELs</td>
</tr>
</tbody>
</table>

TWA: Time Weighted Average over 8 hours of work.

STEL: Short Term Exposure Limit during x minutes.
SAFETY DATA SHEET

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.

Other: Personal protective equipment for the body should be selected based on the task being performed and risks assessed.

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
Odor: Odorless
Odor Threshold: No data available
Color: Clear
Molecular Weight: No data available
pH: 6.5-7.5
Boiling Point: No data available
Melting Point: No data available
Relative Density: No data available
Partition Coefficient: n-octanol/water: No data available
Viscosity: No data available
Oxidizing Properties: No data available

Vapor Pressure: No data available
Vapor Density: No data available
Evaporation Rate: No data available
Flammability: No data available
Upper/lower Explosive Limit: No data available
Flash Point: No data available
Specific Gravity: 1.125 @ 25%
Solubility: Soluble in water
Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available
Explosive 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: No data available
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
DSCL (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
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
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