

Revision Date: March 22, 2017

Version No.: 2

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
 Product Name **JEECID E DMDM HYDANTOIN**
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**
 Identified uses **Cosmetic raw material**
- 1.3 Details of the Supplier of the Safety Data Sheet**
 Company **JEEN International Corporation**
 24 Madison Road
 Fairfield, New Jersey 07004
 Tel: +1-973-439-1401
 Fax: +1-973-439-1402
 email: info@jeen.com
 Website: www.jeen.com
- 1.4 Emergency telephone number** +1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)

SECTION 2 – HAZARDS INGREDIENTS

- 2.1 Classification of the Substance or Mixture** according to Regulation (EC) 1272/2008
 Skin Sens. 1, H317
 Carc. 1B, H350

- 2.2 Label Elements** according to Regulation (EC) EU 1272/2008
 Hazard pictogram



Signal words **Danger**

Hazard statements **H317 - May cause an allergic skin reaction.
 H350 - May cause cancer.**

Precautionary statements
 Prevention **P201 - Obtain special instructions before use.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing**

Response **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.**

- 2.3 Other Hazards** **None known**



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	-	
3.2 Mixture		
Chemical characterization	Cosmetic ingredients	
INCI	1,3-Dihydroxymethyl-5, 5-dimethylhydantoin	
CAS	6440-58-0	
EC	229-222-8	
Concentration	54-56%	
INCI	Water	Formaldehyde
CAS	7732-18-5	50-00-0
EC	231-791-2	200-001-8
Concentration	44-46%	<2%

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures	
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs,



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

Protection of First Aiders

the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important Symptoms and Effects

Potential acute health effects

Eye contact:

Inhalation:

Skin contact:

Ingestion:

No known significant effects or critical hazards

No known significant effects or critical hazards

May cause an allergic skin reaction

No known significant effects or critical hazards

Over-exposure signs/symptoms

Eye contact:

Inhalation:

Skin contact:

Ingestion:

No specific data

No specific data

Adverse symptoms may include irritation or redness

No specific data

4.3 Indication of any immediate Medical Attention and special Treatment needed

Notes to physician

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Flash Point

>200 deg. F

5.2 Extinguishing Media

Use dry chemical, CO₂, alcohol-resistant foam or water spray (fog). Use an extinguishing agent suitable for the surrounding fire.

5.3 Special Fire Fighting Procedures

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.4 Special Fire Fighting Equipment

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

5.5 Special Hazards arising from the Substance or Mixture

Hazards from the substance mixture
Hazardous thermal decomposition products

Hazardous decomposition may occur.
Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

For emergency responders

6.2 Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and Material for Containment and Cleaning Up

Small spill:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill:

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

6.4 Reference to other Sections

Section 8: Exposure control /personal protection.
Section 13: Waste treatment.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.2 Advice on General Hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.3 Conditions for Safe Storage, including any Incompatibilities

Storage temperature: >15°C (>59°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

81. Control Parameters

Occupational exposure limits

Product/Ingredient name
Formaldehyde

Exposure limit values
EH40/2005 WELs (United Kingdom (UK), 12/2011).
STEL: 2.5 mg/m³ 15 minutes.
STEL: 2 ppm 15 minutes.
TWA: 2 ppm 8 hours.
TWA: 2.5 mg/m³ 8 hours.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal,



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required

8.2 Appropriate Engineering Controls

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.3 Personal Protective Equipment

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

Respiratory protection

involved and should be approved by a specialist before handling this product.

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance:	Clear Liquid
pH:	6.5 – 7.5
Odor:	Odorless
Percent Volatile (by weight):	45
Solubility:	Soluble in water
Specific Gravity:	1.152 @ 25%
Solubilities	Easily soluble in the following materials: cold water and hot water.

SECTION 10 – STABILITY AND REACTIVITY

10.1 Chemical Stability	Stable
10.2 Incompatible Materials	Reactive or incompatible with the following materials: strong acids, strong alkalis, oxidizing materials.
10.3 Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides.
10.4 Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.5 Conditions to Avoid	Due to gaseous decomposition products, overpressure can occur in tightly sealed containers. Keep away from heat, sparks and flame.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Potential Acute Health Effects

Eye contact:	No known significant effects or critical hazards
Inhalation:	No known significant effects or critical hazards
Skin contact:	May cause an allergic skin reaction
Ingestion:	No known significant effects or critical hazards

11.2 Symptoms related to Physical, Chemical and Toxicological Characteristics



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

Eye contact:	No specific data
Inhalation:	No specific data
Skin contact:	Adverse symptoms may include irritation or redness
Ingestion:	No specific data

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Information on Ecological Effects No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Methods of Disposal The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

13.2 Hazardous Waste The classification of the product may meet the criteria for a hazardous waste. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Packaging
Waste treatment method

Special precautions
The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 – TRANSPORTATION INFORMATION

14.1 ADR/RID Not regulated.

14.2 ADN Not regulated.

14.3 IMDG Not regulated.

14.4 IATA Not regulated.

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/legislation Specific for the Substance



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 22, 2017

Version No.: 2

or Mixture

EU Regulation (EC) No. 1907/2006 (REACH)
 Annex XIV - List of substances subject to authorization
 Annex XIV

Substances of very high concern

None of the components are listed

Annex XVII - Restrictions
 on the manufacture,
 placing on the market and
 use of certain dangerous
 substances, mixtures and
 articles

Restricted to professional users

15.2 Other EU Regulations

Ingredient
 Formaldehyde

Carcinogenic Effects
 Carc. 1B, H350

Mutagenic Effects
 Muta. 2, H341

Fertility Effects
 -

15.3 International Lists

National Inventory
 Australia :
 Canada :
 China :
 Japan :
 Republic of Korea :
 Malaysia :
 New Zealand :
 Philippines :
 Taiwan :
 United States :

All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.
 Not determined.
 All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.

15.4 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16 – OTHER INFORMATION

Disclaimer: As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with applicable federal, state and local regulations remains the responsibility of the user.