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

Revision Date: March 22, 2017

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

1.1 Product Identifier
Product Name
JEECIDE 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
SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixture

Chemical characterization

<table>
<thead>
<tr>
<th>INCI</th>
<th>CAS</th>
<th>EC</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6440-58-0</td>
<td>229-222-8</td>
<td>54-56%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

INCI

<table>
<thead>
<tr>
<th>Water</th>
<th>Formaldehyde</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CAS

| 7732-18-5    | 50-00-0      |
| 231-791-2    | 200-001-8    |
| 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,
Protection of First Aiders

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**

<table>
<thead>
<tr>
<th>Contact</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Skin contact</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**

<table>
<thead>
<tr>
<th>Contact</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>No specific data</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No specific data</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Adverse symptoms may include irritation or redness</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data</td>
</tr>
</tbody>
</table>

### 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
5.5 Special Hazards arising from the Substance or Mixture

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.

For emergency responders

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".

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

6.4 Reference to other Sections
Section 8: Exposure control /personal protection.

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

<table>
<thead>
<tr>
<th>Product/Ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>EH40/2005 WELs (United Kingdom (UK), 12/2011).</td>
</tr>
<tr>
<td></td>
<td>STEL: 2.5 mg/m³ 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>STEL: 2 ppm 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>TWA: 2 ppm 8 hours.</td>
</tr>
<tr>
<td></td>
<td>TWA: 2.5 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

Recommended monitoring procedures
If this product contains ingredients with exposure limits, personal,
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. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks.
involved and should be approved by a specialist before handling this product.

Respiratory protection

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 – 7.5</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Percent Volatile (by weight)</td>
<td>45</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.152 @ 25%</td>
</tr>
<tr>
<td>Solubilities</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Skin contact</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>

11.2 Symptoms related to Physical, Chemical and Toxicological Characteristics
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
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.

Special precautions
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
Revision Date: March 22, 2017

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
Mutagenic Effects
Fertility Effects
Carc. 1B, H350
Muta. 2, H341

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.
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.