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## MATERIAL SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

Issued by: JEEN INTERNATIONAL CORPORATION      **Chemtrec Emergency Tel.# 800-424-9300**  
24 MADISON ROAD      **Chemtrec Int'l Tel.# 703-527-3887(Collect Calls Accepted)**  
FAIRFIELD, NJ 07004  
Tel#: (973) 439-1401

PRODUCT:                      **JEECIDE DMDM HYDANTOIN**

### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #                              6440-58-0  
Chemical Name:                DMDM Hydatntoin  
Hazard Symbols:               None Listed  
Risk Phrases:                   None Listed

### SECTION 3- HAZARDS IDENTIFICATION

Eye Contact:                    May irritate eyes  
Skin Contact:                    May irritate skin  
Inhalation:                        May irritate respiratory system

### SECTION 4- FIRST AID MEASURES

Skin:                                Wash with soap and water. If irritation develops, seek medical attention.  
Eyes:                                Flush with water for 15 minutes, if irritation develops, seek medical attention.  
Inhalation:                        Remove to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, administer oxygen or artificial respiration as needed. Get immediate medical attention.  
Ingestion:                         If swallowed, give 3-4 glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

### SECTION 5- FIRE FIGHTING MEASURES

Flash Point:                        >200 deg. F  
Extinguishing Media:            Water, Foam, Dry chemical or Carbon Dioxide  
Special Fire Fighting Procedures:    Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.  
Cool Fire-Exposed containers with water spray.  
Unusual Fire and Explosion Hazards: Products of combustion are toxic. At high Temperatures, this will release formaldehyde.



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#### SECTION 6- ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment  
Spills / Leaks: Caution, floors may become slippery. Use appropriate protective equipment and NIOSH / MSHA approved respirator where mists or vapours of unknown concentrations may be generated (self-contained breathing apparatus preferred). Warning! When spilled, and liquid spreads over a large area, irritating levels of gaseous formaldehyde may be released. In such cases, self contained breathing apparatus should be used. Dike and contain spill with inert material (Sand, Earth, Etc.) and transfer the liquid and soil separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

#### SECTION 7- HANDLING STORAGE

Precautions to be taken in Handling and Storage:  
Store in a warm warehouse. Avoid storing below 60 deg. F to prevent crystallization. Keep container sealed. Protect from freezing.

#### SECTION 8- EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.  
Personal Protective Equipment  
Ventilation: In process where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.  
Respiration Protection: In process where mists or vapors may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.  
Protective Clothing: Rubber or neoprene gloves, when needed, to prevent skin contact. Long sleeves, coveralls or other appropriate clothing, when needed, to prevent skin contact.  
Eye Protection: Wear chemicals splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.  
Other Protective Equipment: Eye wash station, safety shower in work area.

#### SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water White Liquid  
Molecular Weight: 188  
Formula: C7 H12 N2 O4  
pH: 6.5 – 7.5  
Percent Volatile (by weight): 45  
Solubility: Soluble in water  
Specific Gravity: 1.16 @ 25%

#### SECTION 10- STABILITY AND REACTIVITY

Stability: Stable  
Incompatibility (Material to avoid): Avoid contact with strong oxidizing agents.  
Hazards Polymerization: Will not occur



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#### SECTION 11- TOXICOLOGICAL INFORMATION

Oral LD50 (Rat): 3300 Mg/Kg  
Dermal (Rabbit): Mild Irritant  
Eyes (Rabbit): Mild Irritant  
Inhalation LD50 (Rat):

For 4 hours > 5 MB/1 Nominal concentration. Histologic examination of nasal turbinates and pulmonary organs indicated a total absence of notable pathology.

#### SECTION 12- ECOLOGICAL INFORMATION

Other: No information available

#### SECTION 13- DISPOSAL CONSIDERATIONS

Dispose of in compliance with all federal, state and local laws and regulations. Incineration is the preferred method.

#### SECTION 14- TRANSPORT INFORMATION

IATA: Not regulated as a hazardous material  
IMO: Not regulated as a hazardous material  
RID / ADR: Not regulated as a hazardous material

#### SECTION 15- REGULATORY INFORMATION

European / International Regulations  
European Labeling in accordance with EC Directives  
Hazard Symbols: Not available

#### SECTION 16- ADDITIONAL INFORMATION

While JEEN International Corporation believes the data set forth herein are accurate as of the date hereof, it is furnished without warranty of any kind and specially disclaims all liability for reliance on the information provided. The data is furnished solely for your consideration, investigation and verification. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.