



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### DMDM HYDANTOIN

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc.	Emergency Number: Chemtrec	800-424-9300
135 Newbury Street		703-527-3887
Framingham, MA 01701	Information Number:	800-238-0001

Date: May 2010

Synonyms: None Known

CAS #: 6440-58-0

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

DMDM Hydantoin - 100%

#### SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Grey to white flakes or crystalline powder, that presents little or no health hazard and no unusual hazard if involved in a fire.

**POTENTIAL HEALTH EFFECTS:**

**Skin:** May cause skin irritation.

**Eyes:** May cause irritation or burning.

**Inhalation:** May cause irritation to the respiratory tract.

**Ingestion:** Not a hazard with normal industrial usage.

**CARCINOGENICITY:** Not Identifiable

#### SECTION 4 - FIRST AID MEASURES

**Skin:** Immediately wash skin with soap and water for at least 15 minutes.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

**Inhalation:** Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Wash out mouth with water.

**On All Of The Above:** Consult a physician if symptoms persist.

## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: >200 °F

Flammable Limits: Not Known

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turn-out gear.

Unusual Fire Explosion Hazard: During a fire, irritating and highly toxic gasses and formaldehyde may be generated by thermal decomposition or combustion.

Auto Ignition Temperature: Not Known

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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## **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dusts. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

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

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dusts from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from powder.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Available

Vapor Pressure (MM Hg): Not Available

Vapor Density (AIR=1): Not Available

Specific Gravity (H<sub>2</sub>O=1): 1.040

Percent Volatile by Volume (%): 45

Melting Point: Not Available

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Soluble

pH: 6.5 – 7.5

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#### **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and dioxides.

KEEP AWAY FROM: Strong oxidizing agents.

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#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

Not Available

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#### **SECTION 12 - ECOLOGICAL INFORMATION**

Not Available

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#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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#### **SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: DMDM Hydantoin

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**SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Not considered a hazard.

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**SECTION 16 - OTHER INFORMATION**

Reason for Issue: New Product

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