



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### THIOL MODIFIER C6 DISULFIDE PHOSPHORAMIDITE

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

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: October 16, 2007

Synonyms: 1-O-Dimehtyoxytrityl-hexyl-disulfide, 1'-[(2-cyanoethyl)-(N,N-diisopropyl)]-phosphoramidite

CAS #: Not Applicable

DOT Hazard Class: Not Regulated

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

100% 1-O-Dimehtyoxytrityl-hexyl-disulfide, 1'-[(2-cyanoethyl)-(N,N-diisopropyl)]-phosphoramidite

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A colorless oil 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: Not Applicable

Flammable Limits: Not Applicable

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: None known.

Auto Ignition Temperature: Not Applicable

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

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spilled liquid with sand or earth. 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. Use normal personal hygiene and housekeeping. Store in at -20° C.

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

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Local exhaust is usually sufficient.

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

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: Decomposes

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

THIOL MODIFIER C6 DISULFIDE PHOSPHORAMIDITE

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

Percent Volatile by Volume (%): 0

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1): <1

Solubility in Water: Insoluble

pH: Not Applicable

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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: Toxic oxides of nitrogen may evolve when heated to decomposition.

KEEP AWAY FROM: Not Applicable

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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: Thiol Modifier C6 Disulfide Phosphoramidite -Chemicals, N.O.S.-Non hazardous

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### **SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not listed

TSCA STATUS: Not Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

THIOL MODIFIER C6 DISULFIDE PHOSPHORAMIDITE

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

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**