

# MATERIAL SAFETY DATA SHEET

## Hampford Research, Inc.

### SECTION 1. -----CHEMICAL PRODUCT AND COMPANY IDENTIFICATION-----

#### Diphenyl Hexatriene

**CHEMICAL FORMULA:** C18H16

**CAS NUMBER:** 1720-32-7

**CHEMICAL NAME:** 1,6 Diphenyl 1,3,5 Hexatriene

**REVISED:** 9/27/2001

**MANUFACTURER:** Hampford Research, Inc  
P.O. Box 1073  
54 Veterans Blvd.  
Stratford, CT 06615

**EMERGENCY TELEPHONE NUMBERS:** OFFICE (203) 375-1137  
CHEMTREC (800) 424-9300

### SECTION 2. -----COMPOSITION / INFORMATION ON INGREDIENTS-----

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
1,6 Diphenyl 1,3,5 Hexatriene	1720-32-7	100%	

### SECTION 3. -----HAZARDS IDENTIFICATION-----

**EYES:** Irritating to eyes. In case of contact, rinse immediately with plenty of water and seek medical advice.

**SKIN:** Irritating to skin. Wear suitable protective clothing.

**SWALLOWING:** Irritant.

**INHALATION:** Irritating to respiratory system.

### SECTION 4. -----FIRST AID MEASURES-----

**EYE CONTACT:**  
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical advice.

**SKIN CONTACT:**  
In case of contact, immediately wash skin with soap and copious amounts of water.

**INGESTION:**  
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**INHALATION:**  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

### SECTION 5. -----FIRE FIGHTING MEASURES-----

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Emits toxic fumes under fire conditions.

**FIRE EXTINGUISHING MEDIA:**  
Water Spray, Carbon Dioxide, Dry Chemical Powder or Appropriate Foam.

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## **SPECIAL FIREFIGHTING INSTRUCTIONS:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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

### **PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

### **SPILL CLEANUP MEASURES:**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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

### **HANDLING AND STORAGE REQUIREMENTS:**

Store in a cool, dry place. Keep container tightly closed.

## **SECTION 8. -----PERSONAL PROTECTION/EXPOSURE CONTROLS-----**

**EYE/FACE PROTECTION:** Wear chemical safety goggles. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact from airborne material. Eye bath available.

**SKIN PROTECTION:** Wear appropriate impervious clothing and gloves such as compatible chemical-resistant. Safety shower available. Wash thoroughly after handling. Irritant.

**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator. Do not breathe dust.

**ENGINEERING CONTROLS:** Mechanical exhaust required.

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

**PHYSICAL STATE:** Crystalline powder

**MELTING POINT:** 198°C-203°C

**BOILING POINT:** Unknown

**SPECIFIC GRAVITY:** 1.1

**APPEARANCE:** Yellow

**ODOR:** Mild

**OTHER:** Solubility in water: 20% @ R.T.

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

### **INCOMPATIBILITIES:**

Avoid strong oxidizing agents.

### **HAZARDOUS DECOMPOSITION:**

Toxic fumes of carbon monoxide and carbon dioxide.

### **CHEMICAL STABILITY:**

Stable.

### **HAZARDOUS POLYMERIZATION:**

Polymerization will not occur.

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## SECTION 11. -----TOXICOLOGICAL INFORMATION-----

### TOXICOLOGICAL EFFECTS:

May be harmful by inhalation, ingestion or skin absorption. Causes eye/skin irritation. Irritating to mucous membranes/upper respiratory tract. To our knowledge, the chemical, physical & toxicological properties have not been thoroughly investigated.

## SECTION 12. -----ECOLOGICAL INFORMATION-----

### ECOLOGICAL EFFECTS:

Data not yet available.

## SECTION 13. -----DISPOSAL INFORMATION-----

### WASTE MANAGEMENT PROCEDURES:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and Local environmental regulations.

## SECTION 14. -----TRANSPORT INFORMATION-----

### TRANSPORTATION INFORMATION:

Contact Hamford Research, Inc. for transportation information.

### -----DOT (DOMESTIC SURFACE)-----

PROPER SHIPPING NAME:  
HAZARD CLASS OR DIVISION:  
UN / NA NUMBER:  
PACKING GROUP:  
DOT PRODUCT RQ lbs (kgs):  
HAZARD LABEL (s):  
HAZARD PLACARD (s):

### -----IMO / IMDG CODE (OCEAN)-----

PROPER SHIPPING NAME:  
HAZARD CLASS DIVISION NUMBER:  
UN NUMBER:  
PACKAGING GROUP:  
HAZARD LABEL (s):  
HAZARD PACKARD (s):

### -----ICAO / IATA (AIR)-----

PROPER SHIPPING NAME:

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HAZARD CLASS DIVISION NUMBER:  
UN NUMBER:  
SUBSIDIARY RISK:  
PACKING GROUP:  
HAZARD LABEL (s):  
RADIOACTIVE?:  
PASSENGER AIR - MAX QTY:  
PASSENGER PACKING INSTRUCTION:  
CARGO AIR - MAX QTY:  
CARGO AIR PACKAGING INSTRUCTION:

## SECTION 15. -----REGULATORY INFORMATION-----

### REGULATORY INFORMATION:

Regulatory Listings: NDSL (Canada); EINECS (EEC); TSCA (USA)  
European Information: R 36/37/38 Irritating to eyes, respiratory system and skin. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36 Wear suitable protective clothing.

## SECTION 16. -----ADDITIONAL INFORMATION-----

### ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Hampford Research, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Hampford Research grants permission to make unlimited paper copies for internal use only.