

# MATERIAL SAFETY DATA SHEET

## Hampford Research, Inc.

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

#### CDM-HABI

**CHEMICAL FORMULA:** C23H19CIN2O2 **CAS NUMBER:** 29777-36-4

**CHEMICAL NAME:** 2-(o-chlorophenyl)-4,5-bis(m-methoxyphenyl)-Imidazole

**REVISED:** 10/15/2002

**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
2-(o-chlorophenyl)-4,5-bis(m-methoxyphenyl)-Imidazole	29777-36-4	100%	

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

**EYES:** May cause irritation.

**SKIN:** May cause irritation.

**SWALLOWING:** May irritate gastrointestinal tract.

**INHALATION:** Inhalation of dust may be harmful.

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

**EYE CONTACT:**  
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

**SKIN CONTACT:**  
In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes. Wash contaminated clothing before reuse.

**INGESTION:**  
If swallowed, induce vomiting immediately. Get prompt medical attention.

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

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Dust forms explosive mixture with air.

**FIRE EXTINGUISHING MEDIA:**  
Water spray, carbon dioxide, dry chemical powder or appropriate foam.

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## SPECIAL FIREFIGHTING INSTRUCTIONS:

Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. 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:

Shovel or sweep up immediately with care to avoid dust. Place in suitable container and hold for proper disposal. Ventilate area and wash spill site after material pickup is complete.

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

### HANDLING AND STORAGE REQUIREMENTS:

Store in original or similar waterproof containers. Keep container tightly closed as sunlight damages product. Store in a cool, dark area. Avoid dust generation or exposure to light.

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

**EYE/FACE PROTECTION:** Wear 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 such as compatible chemical-resistant. Safety shower available.

**RESPIRATORY PROTECTION:** NIOSH/MSHA approved air purifying respirator.

**ENGINEERING CONTROLS:** Local exhaust required. Use only with adequate ventilation.

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

**PHYSICAL STATE:** Powder  
**MELTING POINT:** 152°C  
**BOILING POINT:** N/A  
**SPECIFIC GRAVITY:** N/A  
**APPEARANCE:** Yellow  
**ODOR:** Negligible  
**OTHER:** Solubility in water: negligible

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

### INCOMPATIBILITIES:

Incompatible with sunlight; will damage product.

### HAZARDOUS DECOMPOSITION:

Decomposition will not occur.

### CHEMICAL STABILITY:

Stable.

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## HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

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

### TOXICOLOGICAL EFFECTS:

May cause skin and eye irritation. Inhalation of dust may be harmful. Ingestion may irritate gastrointestinal tract.

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

### ECOLOGICAL EFFECTS:

Data not yet available.

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

### WASTE MANAGEMENT PROCEDURES:

Dispose of in accordance with 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 PLACARD (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)

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

### ADDITIONAL INFORMATION:

N/A

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.

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