

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

TCTM-HABI

CHEMICAL FORMULA: C46 H34 C14 N4 O4

CAS NUMBER: 233767-21-0

CHEMICAL NAME: Tetrachlorotetramethoxy hexaarylbiimidazole

REVISED: 2/12/2004

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
Tetrachlorotetramethoxy hexaarylbiimidazole	233767-21-0	99%	

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

EYES: Direct contact causes irritation.

SKIN: Direct contact causes 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. May cause irritation. Call 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, 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:
Dust forms explosive mixture with air. Burning produces nitrogen oxides.

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

Revision Date: 2/12/2004

Page 1 of 4

Chemical Name: Tetrachlorotetramethoxy hexaarylbiimidazole

Material Safety Data Sheet

SPECIAL FIREFIGHTING INSTRUCTIONS:

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 chemical splash goggles and face shield when possibility exists for eye and face contact from airborne material. Eye bath should be available.

SKIN PROTECTION: Wear appropriate impervious clothing such as compatible chemical-resistant coveralls. Safety shower should be 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: Light cream to pale yellow
ODOR: Odorless
OTHER: Solubility in water: Negligible

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

INCOMPATIBILITIES:

Incompatible with sunlight; will damage product. Avoid strong oxidizers.

HAZARDOUS DECOMPOSITION:

Decomposition will not occur.

CHEMICAL STABILITY:

Stable.

Material Safety Data Sheet

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

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

TOXICOLOGICAL EFFECTS:

To the best of our knowledge, the chemical, physical and toxicological properties have not yet been thoroughly investigated.

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

ECOLOGICAL EFFECTS:

Data not yet available.

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

WASTE MANAGEMENT PROCEDURES:

Landfill or incinerate in accordance with all Federal, State and Local environmental regulations.

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

TRANSPORTATION INFORMATION:

This is a non regulated material. There is no restriction on mode of transportation.

-----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:

Revision Date: 2/12/2004

Chemical Name: Tetrachlorotetramethoxy hexaarylbiimidazole

Material Safety Data Sheet

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); TSCA (USA)
EPA Flags: XU exempt from update rule

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

ADDITIONAL INFORMATION:

None

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.

Revision Date: 2/12/2004

Chemical Name: Tetrachlorotetramethoxy hexaarylbiimidazole