

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

BENZOPINACOLE

CHEMICAL FORMULA: C26H22O2

CAS NUMBER: 464-72-2

CHEMICAL NAME: 1,2-Ethanediol, 1,1,2,2-tetraphenyl-

REVISED: 8/1/2001

MANUFACTURER: Hampford Research, Inc
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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
1,2-Ethanediol, 1,1,2,2-tetraphenyl-	464-72-2	99%	

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

EYES: Data not available.

SKIN: Data not available.

SWALLOWING: Data not available.

INHALATION: Data not available.

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

EYE CONTACT:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

SKIN CONTACT:

In case of contact, immediately wash skin with soap and copious amounts of water.

INGESTION:

If swallowed, do NOT induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Seek medical attention.

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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Chemical Name: 1,2-Ethanediol, 1,1,2,2-tetraphenyl-

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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 self-contained breathing apparatus, 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:

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

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

EYE/FACE PROTECTION: Wear chemical safety goggles. Eye bath available. Avoid contact. Do not get in eyes.

SKIN PROTECTION: Wear rubber gloves. Avoid contact. Do not get on skin or clothing. Wash thoroughly after handling.

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator.

ENGINEERING CONTROLS: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation or other engineering controls to control airborne levels.

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

PHYSICAL STATE: Powder

MELTING POINT: 190 TO 195 DEGREES C

BOILING POINT: N/A

SPECIFIC GRAVITY: N/A

APPEARANCE: White, crystalline

ODOR: Odorless

OTHER: Solubility: insoluble.

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

INCOMPATIBILITIES:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION:

Toxic fumes of Carbon Monoxide and Carbon Dioxide.

CHEMICAL STABILITY:

Stable under normal temperatures and pressures.

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HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

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

TOXICOLOGICAL EFFECTS:

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

RTECS#: K12750000

1,2-ETHANEDIOL, 1,1,2,2-TETRAPHENYL-

TOXICITY DATA

ORL-MUS LD50:>10 GM/KG EJTXAZ 9,99,1976

IPR-MUS LD50:>8 GM/KG EJTXAZ 9,99,1976

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

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 Hampford 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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Chemical Name: 1,2-Ethandiol, 1,1,2,2-tetraphenyl-

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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); PICCS (Philippines); 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.