

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

BiPhenyl Methacrylate, Low Metals

CHEMICAL FORMULA: C16H14O2

CAS NUMBER: 46904-74-9

CHEMICAL NAME: 2-Propenoic acid, 2-methyl-, [1,1'-biphenyl]-4-yl ester

REVISED: 8/3/2001

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
2-Propenoic acid, 2-methyl-, [1,1'-biphenyl]-4-yl ester	46904-74-9	100%	

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

EYES: Irritating to eyes.

SKIN: Irritating to skin. Possible sensitizer.

SWALLOWING: May be harmful if ingested.

INHALATION: Irritating to upper respiratory tract and to mucous membranes.

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 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:
Emits toxic fumes under fire conditions.

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

Revision Date: 8/3/2001

Page 1 of 4

Chemical Name: 2-Propenoic acid, 2-methyl-, [1,1'-biphenyl]-4-yl ester

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. Fight fire from safe distance.

SECTION 6. -----ACCIDENTAL RELEASE MEASURES-----

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

SPILL CLEANUP MEASURES:

Scoop up, sweep up, or vacuum. Place in suitable container and hold for proper 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 and/or refrigerated area. Keep container tightly closed. Wash thoroughly after handling. Irritant. Avoid contact with eyes, skin and clothing. Possible sensitizer.

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. Do not breathe dust.

ENGINEERING CONTROLS: Mechanical exhaust required.

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

PHYSICAL STATE: Solid

MELTING POINT: 110-111°C

BOILING POINT: N/A

SPECIFIC GRAVITY: 1.183

APPEARANCE: White, crystalline

ODOR: Odorless

OTHER: Solubility in water: negligible

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

INCOMPATIBILITIES:

Avoid strong oxidizing agents and strong bases.

HAZARDOUS DECOMPOSITION:

Toxic fumes of carbon monoxide and carbon dioxide.

CHEMICAL STABILITY:

Stable at ambient temperatures.

Revision Date: 8/3/2001

Page 2 of 4

Chemical Name: 2-Propenoic acid, 2-methyl-, [1,1'-biphenyl]-4-yl ester

Material Safety Data Sheet

HAZARDOUS POLYMERIZATION:

Polymerization may occur if containers are exposed to prolonged or excessive heat.

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

TOXICOLOGICAL EFFECTS:

To the best of our knowledge, the chemical, physical and 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 Hampford Research, Inc. for transportation information.

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

PROPER SHIPPING NAME: Not Listed
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: Not Listed
HAZARD CLASS DIVISION NUMBER:
UN NUMBER:
PACKAGING GROUP:
HAZARD LABEL (s):
HAZARD PACKARD (s):

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

PROPER SHIPPING NAME: Not Listed

Revision Date: 8/3/2001

Page 3 of 4

Chemical Name: 2-Propenoic acid, 2-methyl-, [1,1'-biphenyl]-4-yl ester

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: TSCA Status (USA): LVE - Submission L-00-174
European Information:
Irritant 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. S 36
Wear suitable protective clothing.

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

ADDITIONAL INFORMATION:

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

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: 8/3/2001

Chemical Name: 2-Propenoic acid, 2-methyl-, [1,1'-biphenyl]-4-yl ester