

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

2-Phenyl Ethyl Methacrylate

CHEMICAL FORMULA: C12 C14 O2

CAS NUMBER: 3683-12-3

CHEMICAL NAME: PHENYLETHYL METHACRYLATE

REVISED: 11/3/2006

MANUFACTURER: Hampford Research, Inc
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SECTION 2. -----COMPOSITION / INFORMATION ON INGREDIENTS-----

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
PHENYLETHYL METHACRYLATE	3683-12-3	100%	

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

EYES: Irritating to eyes.
SKIN: Irritating to skin.
SWALLOWING: Irritating if swallowed.
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.

SKIN CONTACT:
in case of contact, immediately wash skin with soap and copious amounts of water. 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. Closed containers may rupture and explode during runaway polymerization. Water may be effective for cooling, but may not effect extinguishment.

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

Material Safety Data Sheet

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:

Shut off all sources of ignition. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

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

HANDLING AND STORAGE REQUIREMENTS:

Keep tightly closed.
Keep away from heat, sparks and open flame.
Limit storage time.
Store in a cool dry place.

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

EYE/FACE PROTECTION: Avoid contact with eyes. Wear chemical safety goggles.

SKIN PROTECTION: Avoid contact with skin and clothing. Wear compatible chemical-resistant gloves. Wash thoroughly after handling. Safety shower and eye bath.

RESPIRATORY PROTECTION: Do not breathe vapor. Wear NIOSH/MSHA-approved respirator.

ENGINEERING CONTROLS: Mechanical exhaust required. Use non sparking tools.

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

PHYSICAL STATE:	Liquid
MELTING POINT:	N/A
BOILING POINT:	183 C
SPECIFIC GRAVITY:	1.080
APPEARANCE:	Colorless liquid
ODOR:	NA
OTHER:	NA

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

INCOMPATIBILITIES:

Heat
Strong oxidizing agents
Direct sunlight
Inert gasses
Free radical initiators

HAZARDOUS DECOMPOSITION:

Toxic fumes of:
Carbon monoxide, carbon dioxide

Material Safety Data Sheet

CHEMICAL STABILITY:

Stable if stored and handled properly.

HAZARDOUS POLYMERIZATION:

May occur.

SECTION 11. -----TOXICOLOGICAL INFORMATION-----**TOXICOLOGICAL EFFECTS:**

May be harmful by inhalation, ingestion, or skin absorption.
Causes skin irritation.
Vapor or mist is irritating to the eyes, mucous membranes and upper respiratory tract.
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
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:****-----DOT (DOMESTIC SURFACE)-----**

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid n.o.s. PHENYLETHYL METHACRYLATE
HAZARD CLASS OR DIVISION: 9
UN / NA NUMBER: UN 3082
PACKING GROUP: III
DOT PRODUCT RQ lbs (kgs):
HAZARD LABEL (s): 9
HAZARD PLACARD (s): CFR 173.155 Not required if under 66 lbs.

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

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid n.o.s. PHENYLETHYL METHACRYLATE
HAZARD CLASS DIVISION NUMBER: 9
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HAZARD LABEL (s): 9
HAZARD PLACARD (s): CFR 173.155 Not required if under 66 lbs.

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

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid n.o.s. PHENYLETHYL

Revision Date: 11/3/2006

Page 3 of 4

Chemical Name: PHENYLETHYL METHACRYLATE

Material Safety Data Sheet

METHACRYLATE

HAZARD CLASS DIVISION NUMBER: 9
UN NUMBER: UN 3082
SUBSIDIARY RISK: NONE
PACKING GROUP: III
HAZARD LABEL (s): 9
RADIOACTIVE?: NO
PASSENGER AIR - MAX QTY: NO LIMIT
PASSENGER PACKING INSTRUCTION: 914
CARGO AIR - MAX QTY: NO LIMIT
CARGO AIR PACKAGING INSTRUCTION: 914

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

REGULATORY INFORMATION:

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.
U.S. information
This product is subject to sara section 313 reporting requirements.
On TSCA Inventory
January 2003 Inventory Tape.
On NDSL
Canada Gazette, Part I, January 26, 1991
On EINECS No. 3-1047
Annex to Official Journal of the European Communities, 15 June 1990.
On ENCS On Australian Inventory of chemical substances, June 1996 Ed. On PICCS Inventory, 2000

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.