

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

2-MEP

CHEMICAL FORMULA: C13 H15 NO4

CAS NUMBER: 51727-47-0

CHEMICAL NAME: 2-METHACRYLOXYETHYL PHENYL URETHANE

REVISED: 7/20/2006

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SECTION 2. -----COMPOSITION / INFORMATION ON INGREDIENTS-----

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
Polyurethane methacrylate resin	51727-47-0	99%	

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

EYES: This material is expected to cause slight eye irritation.

SKIN: This material is expected to be a slight skin irritant and may cause an allergic reaction (sensitization) in susceptible individuals upon repeated exposure.

SWALLOWING: This material is not expected to be an ingestion hazard.

INHALATION: Irritating to upper respiratory tract and to mucous membranes. Symptoms of irritation may include coughing, mucous production and shortness of breath.

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:
High temperatures, inhibitor depletion, or exposure to radiation, oxidizer or impurities may lead to runaway spontaneous polymerization generating heat and pressure. Closed containers may rupture or explode. Glass containers may shatter.

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FIRE EXTINGUISHING MEDIA:

Water spray/fog, carbon dioxide, dry chemical powder or appropriate foam. Water may be an ineffective extinguisher due to low solubility of product.

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. Store below 110°F to preserve shelf life.

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. Avoid prolonged skin contact.

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator.

ENGINEERING CONTROLS: Use only with adequate ventilation.

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

PHYSICAL STATE: Solid
MELTING POINT: 56 Degrees C
BOILING POINT: 300°F
SPECIFIC GRAVITY: 1.11 @ 75°F
APPEARANCE: White
ODOR: Mild odor
OTHER: Solubility: slight

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

INCOMPATIBILITIES:

Avoid strong oxidizers, acids, or alkalis, free radical initiators and inert gases.

HAZARDOUS DECOMPOSITION:

Decomposition does not occur under normal use conditions. Combustion produces carbon oxides and perhaps other toxic vapors.

CHEMICAL STABILITY:

Unstable with heat. Unstable on loss of inhibitor.

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HAZARDOUS POLYMERIZATION:

Polymerization may occur. Conditions leading to polymerization include exposure to heat, direct sunlight, oxidizing conditions, freezing conditions, UV radiation, inert gas blanketing, strong oxidizers, free radical initiators and oxygen scavengers.

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:

This product is not considered hazardous for transportation.

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

PROPER SHIPPING NAME: Not listed by DOT not considered hazardous for transportation.
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 by IMDG not considered hazardous for transportation.
HAZARD CLASS DIVISION NUMBER:
UN NUMBER:
PACKAGING GROUP:
HAZARD LABEL (s):
HAZARD PACKARD (s):

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

PROPER SHIPPING NAME: Not listed by IATA not considered hazardous for transportation.

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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: AICS (Australia); DSL (Canada); EINECS (EEC); ECL (Korea); PICCS (Philippines)

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

ADDITIONAL INFORMATION:

NPCA-HMIS Rating:
Health: 1
Flammability: 1
Reactivity: 2
Personal Protection: D
This material contains an inhibitor (HQ, MEHQ, etc.) at < 1%. The type and amount meet product specifications.

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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