

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

Hydroxy ethyl Methacrylate (high purity)

CHEMICAL FORMULA: C6 H10 O3

CAS NUMBER: 868-77-9

CHEMICAL NAME: Hydroxy ethyl Methacrylate (high purity)

REVISED: 8/24/2005

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-Hydroxyethyl Methacrylate	868-77-9	98%	

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.

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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 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: 67 C/3.5mm
SPECIFIC GRAVITY: 1.073
APPEARANCE: Colorless liquid
ODOR: NA
OTHER: Flash Point 101C

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

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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:**

Contact Hamford Research, Inc. for transportation information.

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

PROPER SHIPPING NAME: None Non-Hazardous forTransport: This substance is considered to be non-hazardous for transport.

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: None Non-Hazardous forTransport: This substance is considered to be non-hazardous for air transport.

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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:

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

July 2003 Inventory Tape.

On NDSL

Canada Gazette, Part I, January 26, 1991.

On EINECS

Annex to Official Journal of the European Communities, 15 June 1990.

On ENCS

On AICS

Australian Inventory of Chemical Substances, June 1996

Ed.

1997

1999

and Chemical Substances 2000

On ECL Korean Existing Chemicals List, Jan

On Swiss Giftliste 1 May 31,

On PICCS Philippines Inventory of Chemicals

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

ADDITIONAL INFORMATION:

RTECS#: OZ4735000

SKN-RBT LD50:>5000 MG/KG

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete 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.

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