

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

PMGDM, 36%, Acetone Solution

CHEMICAL FORMULA: C32H34O16

CAS NUMBER: 148019-46-9

CHEMICAL NAME: 1,2,4,5-Benzenetetracarboxylic acid, 1,4-bis [2-[(2-methyl-1-oxo-2propenyl) oxy]-1-[[2-methyl-1-oxo-2-propenyl) oxy]methyl] ethyl] ester

REVISED: 9/25/2006

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
Acetone	67-64-1	64%	NIOSH TWA 250 ppm
Pyromellitic Dianhydride Glyceryl Dimethacrylate	148019-46-9	36 %	Not established

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

EYES: Risk of serious damage to the eyes

SKIN: Irritating to skin, may be absorbed through the skin.

SWALLOWING: May cause irritation of the digestive tract, may cause central nervous system depression.

INHALATION: Inhalation of high concentrations may cause central nervous system depression

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

EYE CONTACT:

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

SKIN CONTACT:

In case of contact, 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. Get prompt medical attention.

INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get prompt medical attention.

SECTION 5. -----FIRE FIGHTING MEASURES-----

UNUSUAL FIRE AND EXPLOSION HAZARDS:

May polymerize at high temperatures causing closed containers to rupture and explode.

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. Use water spray to cool fire-exposed containers. Evacuate personnel to a safe area. Keep personnel removed and upwind of fire.

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

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

SPILL CLEANUP MEASURES:

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:

Store in dark, cool area. Never use steam or electrical heating systems such as tapes, mantles, jackets, heat guns or heat lamps to thaw this product. The use of concentrated heat will cause polymerization & possible rupture of the container. Unless inhibited, product can polymerize, possibly rupturing container. Check inhibitor content often. Do not blanket with oxygen free gas. Prevent freezing; inhibitor separates as a solid.

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

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

SKIN PROTECTION: Wear appropriate protective clothing and rubber gloves to prevent skin exposure. Wash thoroughly after handling. Safety shower available.

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator. Avoid inhalation.

ENGINEERING CONTROLS: Use sufficient natural or mechanical ventilation to prevent personnel exposure to vapors or aerosol mists. Where ventilation is inadequate based on conditions of use, personal protective equipment is needed.

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

PHYSICAL STATE: Liquid

MELTING POINT: N/A

BOILING POINT: 56.5 °C

SPECIFIC GRAVITY: 0.788

APPEARANCE: Amber liquid

ODOR: Characteristic sweet mint like acetone odor

OTHER: Solubility in water substantial

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

INCOMPATIBILITIES:

Avoid acids, bases, strong oxidizing agents, peroxides and elevated temperatures.

HAZARDOUS DECOMPOSITION:

Decomposition may occur producing toxic oxides of carbon.

CHEMICAL STABILITY:

Stable under normal conditions of use and storage.

HAZARDOUS POLYMERIZATION:

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

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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:

Treatment, storage, transportation and disposal in accordance with 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: Flammable liquid, N.O.S. (Acetone and Pyromellitic Dianhydride Glyceryl Dimethacrylate)

HAZARD CLASS OR DIVISION: 3

UN / NA NUMBER: 1993

PACKING GROUP: II

DOT PRODUCT RQ lbs (kgs): 1000 lbs

HAZARD LABEL (s): Flammable liquid

HAZARD PLACARD (s): 3

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

PROPER SHIPPING NAME: Flammable liquid, N.O.S. (Acetone and Pyromellitic Dianhydride Glyceryl Dimethacrylate)

HAZARD CLASS DIVISION NUMBER: 3

UN NUMBER: 1993

PACKAGING GROUP: II

HAZARD LABEL (s): Flammable liquid

HAZARD PLACARD (s): 3

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

PROPER SHIPPING NAME: Flammable liquid, N.O.S. (Acetone and Pyromellitic Dianhydride Glyceryl Dimethacrylate)

HAZARD CLASS DIVISION NUMBER: 3

UN NUMBER: 1993

SUBSIDIARY RISK: NONE

PACKING GROUP: II

HAZARD LABEL (s): 3

RADIOACTIVE?: NO

PASSENGER AIR - MAX QTY: CARGO ONLY

PASSENGER PACKING INSTRUCTION:

CARGO AIR - MAX QTY: 60 LITER

CARGO AIR PACKAGING INSTRUCTION: 307

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

REGULATORY INFORMATION:

Data not available.

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.