

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

PMDM

CHEMICAL FORMULA: C22 H22 O12

CAS NUMBER: 83418-60-4

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

REVISED: 5/12/2004

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

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
PYROMELLITIC DIANHYDRIDE DIMETHACRYLATE	83418-60-4	99	Not available

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

EYES: Data not available.

SKIN: Data not available.

SWALLOWING: Data not available.

INHALATION: Data not available.

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

EYE CONTACT:

In case of contact, flush eyes 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 and closed containers may rupture and explode.

FIRE EXTINGUISHING MEDIA:

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

SPECIAL FIREFIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray

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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:

Shovel or sweep up. Avoid dust generation. Place in suitable containers and hold for proper 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. The use of concentrated heat will cause polymerization and possible rupture of the container. Do not blanket with oxygen free gas.

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 aerosil mists. Where ventilation is inadequate based in conditions of use, personal protective equipment is needed.

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

PHYSICAL STATE: Crystals

MELTING POINT: 157-158°C

BOILING POINT: Not available

SPECIFIC GRAVITY: 1.1

APPEARANCE: White

ODOR: slight acrylic odor

OTHER:

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

INCOMPATIBILITIES:

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

HAZARDOUS DECOMPOSITION:

Decomposition will not occur.

CHEMICAL STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization may occur if containers are exposed to prolonged or excessive heat. Avoid temperatures above 60°C.

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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 must be in accordance with all Federal, State and Local environmental regulations.

SECTION 14. -----TRANSPORT INFORMATION-----

TRANSPORTATION INFORMATION:

Not regulated

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

PROPER SHIPPING NAME: Not listed by DOT

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

HAZARD CLASS DIVISION NUMBER:

UN NUMBER:

PACKAGING GROUP:

HAZARD LABEL (s):

HAZARD PACKARD (s):

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

PROPER SHIPPING NAME: Not listed by IATA

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:

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

REGULATORY INFORMATION:

On EINECS No.:280-452-5

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.