

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

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

MONO HEMA PHTHALATE

CHEMICAL FORMULA: C14 H14 O6

CAS NUMBER: 27697-00-3

CHEMICAL NAME: 1,2-Benzenedicarboxylic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester

REVISED: 3/15/2005

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

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
1,2-Benzenedicarboxylic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester	27697-00-3	95	

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

EYES: May cause redness and irritation. There is a risk of serious damage to eyes.

SKIN: May cause irritation.

SWALLOWING: May cause irritation of membranes.

INHALATION: May cause respiratory difficulty.

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

EYE CONTACT:

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

SKIN CONTACT:

In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes. Wash contaminated clothing before reuse.

INGESTION:

If swallowed, do not induce vomiting. Wash out mouth provided person is conscious. Get prompt medical attention.

INHALATION:

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

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

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None expected.

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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.

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

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

SPILL CLEANUP MEASURES:

Pick up excess, absorb remainder with a suitable material. Ventilate area and wash spill site after material pickup is complete.

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

HANDLING AND STORAGE REQUIREMENTS:

Store in a cool, dry place. Keep container tightly closed. Avoid storing with oxidizers. Check inhibitor level often to prevent polymerization.

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

EYE/FACE PROTECTION: Wear safety goggles. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact from airborne material. Eye bath available.

SKIN PROTECTION: Wear appropriate impervious clothing such as chemical-resistant coveralls and gloves. Safety shower available.

RESPIRATORY PROTECTION: NIOSH/MSHA approved air purifying respirator.

ENGINEERING CONTROLS: Local exhaust required.

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

PHYSICAL STATE: Liquid

MELTING POINT: Not applicable.

BOILING POINT: Greater than 230°C

SPECIFIC GRAVITY: 1.228

APPEARANCE: Clear

ODOR: Slight acrylate odor

OTHER: Solubility in water: slight

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

INCOMPATIBILITIES:

Avoid acids, alkalis, strong oxidizing agents and reducing agents. Avoid sunlight and temperatures greater than 140°C.

HAZARDOUS DECOMPOSITION:

Toxic fumes of carbon monoxide and carbon dioxide.

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CHEMICAL STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization may occur. Avoid sunlight, initiators and oxidizing agents.

SECTION 11. -----TOXICOLOGICAL INFORMATION-----

TOXICOLOGICAL EFFECTS:

Acute Effects:

May be harmful by inhalation, ingestion, or skin absorption.

Causes severe eye irritation.

Causes skin irritation.

Material may be irritating to mucous membranes and upper respiratory tract.

May cause allergic skin reaction.

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:

Observe all Federal, State and Local environmental regulations.

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

TRANSPORTATION INFORMATION:

Not regulated

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

PROPER SHIPPING NAME: Not listed nonhazardous

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 nonhazardous

HAZARD CLASS DIVISION NUMBER:

UN NUMBER:

PACKAGING GROUP:

HAZARD LABEL (s):

HAZARD PACKARD (s):

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

PROPER SHIPPING NAME: Not listed nonhazardous

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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:

On TSCA Inventory
January 2005 TSCA Inventory.
On DSL
Supplement to Canada Gazette, Part I, January 26, 1991.
On EINECS
Annex to Official Journal of the European Communities, 15 June 1990.
On ENCS
Japanese Gazette. Contained within class: Low Molecular Carbo-monocyclic Organic Compounds.
On AICS
Australian Inventory of Chemical Substances, June 1996 Ed.
On ECL
Korean Existing Chemicals List, January 1997.
On ASIA-PAC
Regulatory List Number
EINECS No.: 248-616-0
ENCS No.: 3-2959
ECL Serial No.: KE-02309
Confidentiality Status
Public

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.

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