



MEDICAL ISOTOPES, Inc.

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SAFETY DATA SHEET

SECTION 1. Identification

Product:

Product Name: 16 α -Hydroxy-17 β -estradiol-2,4-d₂
Catalog number: D17098

Supplier:

Medical Isotopes, Inc.
100 Bridge Street
Pelham, NH 03076 USA
Tel: +1-603-635-2255 Fax: +1-603-635-2448
Email: info@medicalisotopes.com

Suitability:

For laboratory use only.

Emergency Contact Information:

Call Chemtrec 24/7
DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

SECTION 2. Hazard(s) identification

Hazard classification:

Carcinogenicity (Category 2), H351
Reproductive toxicity (Category 1B), H360

Signal Word:

Danger

Hazard Statements:

H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.

Pictogram:



Precautionary Statements:

P281 Use personal protective equipment as required.
P308/P313 If exposed or concerned: Get medical advice/attention.

Other hazards:

None

SECTION 3. Composition/Information on Ingredients

Chemical name:

16 α -Hydroxy-17 β -estradiol-2,4-d₂

Synonyms:

Estriol; 1,3,5(10)-Estratriene-3,16 α ,17 β -triol

CAS number:

N/A

Impurities/Additives:

N/A

SECTION 4. FIRST AID MEASURES

Skin Contact: Wash with soap and water for several minutes. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: Remove from exposure and move to fresh air immediately. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water. Consult a physician.



SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

Hazardous combustion products: Carbon oxides.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Make sure to wear appropriate protective equipment as listed in section 8. Avoid breathing dust, vapors, or mists.

Spill Clean-up Methods: Clean up spills immediately, observing precautions in the Protective Equipment section.

Cover with a non-combustible material (e.g. sand, earth, diatomaceous earth), sweep up, and place into a suitable container for disposal. Avoid breathing the resulting dust.

SECTION 7. HANDLING & STORAGE

Usage/Handling Precautions: Make sure to wear appropriate PPE as listed in section 8. Avoid contact with skin and eyes.

Storage Conditions: Store at room temperature in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Use fume hood if available.

Personal Protective Equipment

Eyes: Always wear safety glasses when working with chemicals. Wear chemical goggles when working with liquids.

Skin: Wear protective gloves and a lab coat to prevent skin exposure.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white solid.

Odor: N/A

pH: N/A

Melting Point: 280-282°C

Water Solubility (%): N/A

Flash Point (°C): N/A

Vapor pressure: N/A

Autoignition Temperature (°C): N/A

Flammability Limits in Air (% by Vol.): N/A

SECTION 10. STABILITY & REACTIVITY

Reactivity: N/A

Chemical Stability: Stable under recommended storage conditions

Conditions to Avoid: Strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: LC50 Inhalation –N/A

Ingestion: LD50 Oral – Rat - >2,000mg/kg

Skin and eye contact: N/A

Other: Carcinogenicity: There is limited evidence for the carcinogenicity of estriol in experimental animals. Studies in humans strongly suggest that the administration of estrogens is casually related to an increased incidence of endometrial carcinoma; there is no evidence that estriol is different from other estrogens in this respect.

SECTION 12. ECOLOGICAL INFORMATION

N/A

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Via licensed disposal company. Dispose of according to federal, state/province and local regulations.



SECTION 14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods.
IMDG
Not dangerous goods.
IATA
Not dangerous goods.

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

Preparation information: Last revised on: 08/08/17

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