

# MSDS

# Material Safety Data Sheet

Date prepared: Sep 5, 2015

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Estradiol benzoate  
**Synonyms:** NA  
**CAS Reg. Number:** 50-50-0  
**Catalog Number:** 1ST2294  
**Manufacturer's Name:** A Chemtek, Inc.  
100 Barber Avenue  
Worcester, MA 01606, USA

**Telephone Number:** 508-471-4121

**Fax Number:** 508-845-9201

*For R & D use only*

## Section 2 - Hazardous Ingredients/Identity Information

### GHS Classification

Carcinogenicity (Category 2)

Reproductive toxicity (Category 1B)

### GHS Label elements, including precautionary statements

Harmful if swallowed. Irritating to eyes, respiratory system and skin.



Pictogram

Signal word

Danger

### Hazard statement(s)

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

### Precautionary statement(s)

P201 Obtain special instructions before use.

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

## Section 3 - Composition/Information on Ingredients

Formula: C<sub>25</sub>H<sub>28</sub>O<sub>3</sub>  
Molecular Weight: 376.49 g/mol  
CAS-No. 50-50-0

## Section 4 - First Aid Measures

**EYE CONTACT:** Flush eyes with water as a precaution.  
**SKIN CONTACT:** Wash off with soap and plenty of water.  
**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

## Section 5 - Fire-Fighting Measures

### Flammable properties

Flash point not available  
Ignition temperature not available

### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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## Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6 - Accidental Release Measures

**Personal precautions** Avoid dust formation, Avoid breathing vapours, mist or gas.

**Environmental precautions** Do not let product enter drains.

**Methods for cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

**Handling** Provide appropriate exhaust ventilation at places where dust is formed.

**Storage** Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: RT.

## Section 8 - Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values

### Personal protective equipment

**Respiratory protection** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures** General industrial hygiene practice

## Section 9 - Physical and Chemical Properties

**Appearance:** Form Powder  
Color White

### Safety data

pH: not available

Melting point: not available

Boiling point: not available

Flash point: not available

Ignition temperature: not available

Lower explosion limit: not available

Upper explosion limit: not available

Water solubility: not available

## Section 10 - Stability and Reactivity

**Storage stability** Stable under recommended storage conditions

**Materials to avoid** Strong oxidizing agents

**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions. Carbon oxides .

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## Section 11 - Toxicological Information

**Acute toxicity:** no data available  
**Irritation and corrosion:** not available  
**Sensitization:** not available  
**Respiratory or skin sensitization:** not available  
**Chronic exposure** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA

## Section 12 - Ecological Information

**Elimination information (persistence and degradability)**  
not available  
**Ecotoxicity effects:** not available  
**Further information on ecology:** not available

## Section 13 - Disposal Considerations

**Product** Observe all federal, state, and local environmental regulations.  
**Contaminated packaging:** Dispose of as unused product.

## Section 14- Transport Information

**DOT (US):**  
UN number: 3082 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Estradiol benzoate)  
Reportable Quantity (RQ): 100 lbs  
Marine pollutant:yes  
Poison Inhalation Hazard: No  
**IMDG:**  
UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Estradiol benzoate)  
Marine pollutant:yes  
**IATA:**  
UN number: 3082 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Estradiol benzoate)

## Section 15 - Regulatory Information

**SARA 302 Components**  
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
**SARA 313 Components**  
The following components are subject to reporting levels established by SARA Title III, Section 313:  
Estradiol benzoate CAS-No. 50-50-0 Revision Date: 2007-07-01  
**SARA 311/312 Hazards**  
Acute Health Hazard  
**Massachusetts Right To Know Components**  
Estradiol benzoate CAS-No. 50-50-0 Revision Date: 2007-07-01  
**Pennsylvania Right To Know Components**  
Estradiol benzoate CAS-No. 50-50-0 Revision Date: 2007-07-01  
**New Jersey Right To Know Components**  
Estradiol benzoate CAS-No. 50-50-0 Revision Date: 2007-07-01  
**California Prop. 65 Components**  
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 16 - Other Information

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. A Chemtek shall not be held liable for any damage resulting from handling or from contact with the above product.

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